

Contents

| | |
|---|-----------|
| CIMdata News | 2 |
| CIMdata Announces Its 2010 CIMdata PLM Certificate Program | 2 |
| Company News | 4 |
| Autodesk and ICF Outline Path to Achieving Carbon Reductions in Buildings | 4 |
| Autodesk East Coast Headquarters Achieves LEED-CI Platinum Certification | 5 |
| Autodesk Expands Online Guide to Sustainable Design for Green Building Retrofits | 7 |
| Autodesk Honors Three Universities for Efforts to Promote Building Information Modeling | 8 |
| Autodesk Takes Leadership Role in Greenhouse Gas Reductions | 9 |
| Bluebeam Software Releases White Paper on Implementing Paperless Construction Projects | 10 |
| Dassault Systemes Strengthens Commitment to ENOVIA SmarTeam V5 | 10 |
| EMC Commits to MoReq2 Certification of EMC Documentum Records Manager | 11 |
| IMAGINiT Technologies Canada Selected to Sell Autodesk Plant Solutions Software | 13 |
| Infor Names Robert Humphrey New Chief Marketing Officer | 13 |
| Invention Machine Expands Reseller Program to Meet SMBs Innovation Demands | 13 |
| SAP Fosters Co-Innovation in China through New Online Collaboration Tools for the Local Community Network | 15 |
| Saratech Inc. Expands Executive Team with New Hire | 16 |
| Shooting for the Moon: ANSYS Sponsors Astrobotic Technology | 16 |
| Visual 2000 International Announces Strategic Alliance with Eventura | 17 |
| Zuken Signs First E ³ .WireWorks Reseller for Great Lakes Region of the United States | 18 |
| Events News | 19 |
| COADE CAESAR II User Group to Meet Nov 19 in Houston to Discuss Pipe Stress Code Updates and Other Software Enhancements | 19 |
| Delcam to Focus on FeatureCAM at Manufacturing Indonesia | 20 |
| Delcam to Focus on Healthcare Solutions at Euromold | 21 |
| Delcam to Launch Integrated CAM at SolidWorks World | 22 |
| EMC Demonstrates Dramatic Speed-To-Value With Documentum xCP Designer's Challenge | 23 |
| Lectra Showcases Newly Released Versions of Lectra Fashion PLM and Kaledo® at Apparel Tech Conference 2009 | 25 |
| Multiphysics Conferences in Boston and Milan Draw More Than 700 Engineers, Researchers, and Scientists | 26 |
| OPEN MIND Presents CAD and CAM Solutions at EuroMold 2009: hyperMILL® 2009.2, hyperCAD® 2009.1, CAD integrations for hyperMILL® | 27 |
| PROSTEP Free Webinar: Navigate around Obstacles with Shipbuilding Enterprise Interoperability! Webinar (45 Min) | 28 |
| Si2 Announces Sponsorship of "3D Architectures for Semiconductor Integration and Packaging Conference" | 30 |
| Zuken Previews New Version of E ³ .series 2010 at SPS/IPC/Drives | 31 |
| Financial News | 31 |
| Aspen Technology Announces Financial Results for Fiscal Year 2009 | 31 |
| AVEVA Interim Results for the Six Months Ended 30 September 2009 | 34 |
| CENIT 3rd Quarter Result Confirms Solid Development | 34 |
| Cimatron's Third Quarter 2009 Results Release Scheduled for November 17th, 2009 After Markets Close | 36 |
| Nemetschek Confirms Outlook for 2009 | 36 |

CIMdata PLM Industry Summary

| | |
|--|----|
| Synopsys Announces Earnings Release Date and Conference Call for Fourth Quarter and Fiscal Year 2009 | 38 |
|--|----|

Implementation Investments **39**

| | |
|---|----|
| Cavalier Telephone Adopts Convergys' Smart BSS Solutions to Streamline Operations, Improve Customer Satisfaction, Lower Costs | 39 |
| Delcam's CAD/CAM Software Selected by China's Sports Footwear Leader | 39 |
| Imaginestics and CCAT to Create an Online Defense Supply Chain Network | 41 |
| SolidWorks Helps TiLite Wheelchairs Save \$400,000 a Year | 42 |
| Tesla Model-S: STAR-CCM+ Helps to Design "World's Sexiest Electric Car" | 43 |
| Yunique Solutions is Recognized as Exceptional Partner by The Bon-Ton Stores, Inc. | 44 |

Product News **44**

| | |
|--|----|
| AEC Design Group Releases CADPIPE v 10.1 | 44 |
| ANSYS Releases Engineering Knowledge Manager 2.0 for Simulation Data Capture, Reuse and Best Practices | 45 |
| Autodesk Green Building Studio Adds More Than a Million Global Weather Locations | 46 |
| Autodesk Licenses ISOGEN® Technology from Intergraph | 47 |
| Be Careers Network Expands Academic SELECT Portfolio to Include Energy Performance Series for 'Green' Building Design | 47 |
| Bentley's Hevacomp Simulator V8i Automates Baseline Comparisons for LEED Reporting Requirements | 48 |
| Bentley's Hevacomp Software for Building Energy Design, Analysis, and Simulation Leverages gbXML | 49 |
| CADSTAR from Zuken Gets a Makeover in Version 12.0 | 50 |
| EMC My Documentum Family Delivers the Power of Enterprise Content Management to Every Business User | 51 |
| GibbsCAM Is Now Compatible with Windows 7 | 53 |
| Interim includes 3D within its Manufacturing Execution & Manufacturing Intelligence | 54 |
| IronCAD, LLC Releases IRONCAD Next Generation "XG" | 55 |
| Lawson Enhances Lawson QuickStep Fashion | 56 |
| LEDAS Ships Next Generation of 3D Geometric Constraint Solver | 57 |
| Mechatronic Design Portfolio Offers Machine Builders Improved Optimization and Collaboration for Complex Machine Designs | 58 |
| NGC® Brings Powerful New Analytic and Reporting Capabilities To Its PLM, Global Sourcing and ERP Solutions | 60 |
| PLMplus Develops Innovative Approach to Product Lifecycle Management | 61 |
| Right Hemisphere and Mecanica Enter Partnership to Add 3D Visualization to Groundbreaking New PLM360 Solution | 62 |
| Schott Systeme Retain 12 Year CAD/CAM Price Freeze | 63 |
| Sescoi Releases Latest Version of its Flexible Custom Manufacturing Solutions | 63 |
| STAR-CCM+ V4.06 Arrives With a BANG | 65 |
| VISTAGY and BETA CAE Systems Enhance Integration between Analysis and Design for Developing Composite Products | 66 |

CIMdata News

CIMdata Announces Its 2010 CIMdata PLM Certificate Program

10 November 2009

CIMdata, Inc., the leading global Product Lifecycle Management (PLM) consulting and research firm announces its CIMdata PLM Certificate Program schedule for 2010. The **CIMdata PLM Certificate Program** is the flagship offering of CIMdata PLM Leadership—the PLM industry's most

CIMdata PLM Industry Summary

comprehensive non-biased education and training offering for PLM professionals.

The CIMdata PLM Certificate Program prepares PLM professionals at several levels to successfully address the challenges inherent in PLM implementations. This assessment-based certificate program includes an intimate classroom experience, individual and team-based exercises, and individual evaluations of achievement. Additionally, the program provides candidates with intensive and extensive exposure to a team of CIMdata experts. Upon successful completion of the program, each participant receives a CIMdata PLM Certificate and thereby becomes a member of CIMdata's global PLM Leadership community.

According to Mr. Peter Bilello, CIMdata's Vice President, "CIMdata is excited to announce our 2010 PLM Certificate Program schedule. Since the program's introduction in early 2009, CIMdata has successfully held the program in Europe, North America, and Asia. The program's success in a rather difficult economic climate clearly illustrates PLM's strategic value to companies around the world, and we expect the program's success to continue as more companies realize how PLM is not only a strategic business solution, but also how it can play a major role in accelerating a company's pace of recovery." He went on to state, "We have designed our 2010 schedule to address the needs of PLM professionals throughout Europe and North America. Additional sessions will most likely be added to the schedule in other regions as they become necessary." The CIMdata 2010 PLM Certificate Program schedule is as follows:

| Location | Date |
|-------------------------|-----------------|
| Ann Arbor, Michigan USA | January 25-29 |
| Eastern US/Canada | March 15-19 |
| Germany | May 3-7 |
| United Kingdom | June 14-18 |
| Benelux/Scandinavia | September 20-24 |
| Western USA | October 18-22 |
| Ann Arbor, MI USA | November 15-19 |

Please note that all dates and locations are tentative. Confirmation of the dates and exact location will be announced approximately three months prior to each program. Please consult CIMdata's website (<http://www.cimdata.com>) for up-to-date schedule information and to register for the session of your choice.

The CIMdata PLM Certificate Program consists of 9 educational sessions. These 9 sessions can be completed in one of two ways:

1. By attending the full program delivered over 5 consecutive days; or
2. By attending the prerequisite Core PLM Certificate sessions offered over 3 consecutive days and at a later time, within a 12-month period, completing the remaining sessions given over 2 consecutive days.

The CIMdata PLM Certificate Program is available to industrial companies who are considering and/or implementing PLM, and to PLM technology and service suppliers. The CIMdata PLM Certificate Program is built on CIMdata's more than 25 years of extensive worldwide experience guiding industrial companies in successfully defining and implementing best-in-class PLM strategies and tactics.

About CIMdata

CIMdata, a leading independent worldwide firm, provides strategic consulting to maximize an enterprise's ability to design and deliver innovative products and services through the application of Product Lifecycle Management (PLM) solutions. Since its founding more than 25 years ago, CIMdata has delivered world-class knowledge, expertise, and best-practice methods on PLM solutions. These solutions incorporate both business processes and a wide-ranging set of PLM enabling technologies.

CIMdata works with both industrial organizations and suppliers of technologies and services seeking competitive advantage in the global economy. In addition to consulting, CIMdata conducts research, provides PLM-focused subscription services, and produces several commercial publications. The company also provides industry education through PLM certificate programs, seminars, and conferences worldwide. CIMdata serves clients around the world from offices in North America, Europe, and Asia Pacific. To learn more about CIMdata's services, visit our website at <http://www.CIMdata.com> or contact CIMdata at: 3909 Research Park Drive, Ann Arbor, MI 48108, USA. Tel: +1 (734) 668-9922. Fax: +1 (734) 668-1957; or at Siriusdreef 17-27, 2132 WT Hoofddorp, The Netherlands. Tel: +31 (0)23 568-9385. Fax: +31 (0)23 568-9111.

 [Click here to return to Contents](#)

Company News

Autodesk and ICF Outline Path to Achieving Carbon Reductions in Buildings

11 November 2009

Autodesk Inc. and ICF International, the global professional services firm that studies climate change, have launched a study that posits a new technique to increase the energy efficiency of buildings, the world's biggest polluters.

The findings were outlined in a joint research report entitled "[Rapid Energy Modeling for Existing Buildings: Testing the Business and Environmental Potential Through an Experiment at Autodesk](#)" presented today at Greenbuild Expo.

"Buildings represent 40 percent of global energy consumption and are the linchpin to achieving climate stabilization in a cost-effective manner," said Lynelle Cameron, director of sustainability at Autodesk. "Rapid energy modeling has the potential to vastly accelerate the number of buildings that undergo energy assessment and subsequent upgrades."

"The majority of buildings globally will either be new or have undergone significant renovation over the next 30 years," said Emma Stewart, senior program lead for Autodesk's sustainability initiative. "As our built environment undergoes a massive reboot, Autodesk aims to provide the tools necessary for our customers. [Autodesk Revit](#) and [Ecotect Analysis](#) are examples of products leading the charge."

Autodesk and ICF worked together to interview leading architecture firms to better understand major obstacles to wide-scale green building retrofits. The study then applied rapid energy modeling techniques to six Autodesk facilities across three continents, comparing the modeling results with Autodesk's carbon footprint data and contrasting the workflow with traditional energy modeling and energy audit approaches.

The report concludes that rapid energy modeling can be a:

CIMdata PLM Industry Summary

- Shortcut to estimating actual energy performance with a good level of accuracy;
- Screen for high-potential buildings for renewable energy generation and carbon reductions;
- Stepping stone between basic building benchmarking and detailed audits;
- Financial tool for identifying lucrative building upgrades;
- Driver of high-quality green jobs with highly transferable skills.

About ICF International

ICF International is a global professional services firm that addresses today's most complex management, technology, and policy challenges in four key markets: energy and climate change; environment and infrastructure; health, human services, and social programs; and homeland security and defense. Over 3,500 employees on four continents combine passion for their work with industry and technical expertise to protect and improve the quality of life.

For 30 years, ICF has provided a portfolio of strategy, analysis, advisory services, and implementation tools to clients in the building energy and climate space. Our clients include Fortune 500 companies, utilities, municipal power authorities, U.S. federal government agencies, international and multinational organizations, energy enterprises, power developers, regulated transmission and distribution companies, energy traders and marketers, oil and gas companies, industry associations, investors, financial institutions, and regulators. ICF regularly performs detailed analytic studies to help its clients understand leading building industry trends and the value of a wide range of building modeling and analysis tools.

[↑ Click here to return to Contents](#)

Autodesk East Coast Headquarters Achieves LEED-CI Platinum Certification

11 November 2009

[Autodesk](#), Inc. has announced that the interior of its architecture, engineering and construction (AEC) solutions division headquarters in Waltham, Mass., was recently certified [LEED-CI Platinum](#) by the [U.S. Green Building Council](#).

Designed by KlingStubbins, constructed by Tocci Building Corporation, and managed by Jones Lang LaSalle, Autodesk's Waltham facility was an interior retrofit project of an existing 61,000-square-foot speculative office building that earned 46 LEED credit points, exceeding the 42-credit level required for a Platinum rating. The building also achieved LEED Gold certification for its exterior shell.

To earn LEED Platinum status, project stakeholders implemented sustainable design, digital design-to-fabrication and integrated project delivery (IPD) as part of an overall building information modeling ([BIM](#)) process.

Maximizing Daylight through Building Information Modeling

A crucial component to LEED certification is daylighting, with Platinum certification requirements mandating at least 90 percent of workspaces be illuminated with natural daylight. By linking the building's [Autodesk Revit Architecture](#) 3D model with [Autodesk Ecotect Analysis](#) software, KlingStubbins carefully analyzed where daylight would fall within the facility and determined which design option best satisfied the goal. The result is an open, collaborative floor plan with low partitions and individual workstations positioned along the building's perimeter. Overhead artificial lights in these

CIMdata PLM Industry Summary

areas are controlled by daylight sensors that automatically adjust for customized task lighting. Separate control zones for solar exposure enable localized management, while system automation ensures employees receive an even amount of daylight across the building.

“It was clear from the very beginning of the project that designing for a LEED Platinum rating was extremely important for Autodesk,” said Scott Simpson, senior director at KlingStubbins. “Using BIM technology, we modeled the mechanical, electrical and plumbing systems, natural and artificial lighting levels, and energy consumption to help us achieve this ambitious goal.”

Tocci Building Corporation worked alongside the design team to make the interior’s digital 3D models construction ready. Using Autodesk model-based technology, both architect and contractor were able to graphically depict, analyze and explain optimal solutions -- effectively communicating intent and reducing wasteful reinstallations and change orders.

“Knowledgeable and design-smart owners like Autodesk are often natural collaborators,” said John Tocci, CEO of Tocci Building Corporation. “Autodesk understood the models and our process, so they were poised to help our team troubleshoot and stretch the technology as far as it could go -- and in the process, infuse sustainable building principles and practices throughout the entire project’s execution.”

Managing Systems for a More Energy-Efficient Building

As several of the LEED categories require built-in monitoring and control equipment to encourage sustainable operations, Autodesk incorporated multiple operations systems into the building’s initial design, enabling the company to more accurately measure future energy efficiencies downstream. Leveraging the 3D models created using Autodesk Revit Architecture during the project’s design, Autodesk now employs an intelligent building management system to modulate lighting, HVAC and sound systems in response to space demand.

Beyond design applications, the facility earned additional LEED credits for:

- Procurement of renewable energy and its close proximity to essential community services
- Use of 24.5 percent recycled building materials
- EnergyStar-rated equipment and appliances
- Bicycle storage with changing and shower facilities
- Low-flow water fixtures, including dual-flush toilets (to save an estimated 260,000 gallons of water while reducing overall water usage and reliance on municipal service)

In addition, Autodesk continues to supplement energy-efficiency strategies with the purchase of green power.

To further demonstrate its commitment to sustainable technologies and green design within its own organization, Autodesk revitalized its office space in Mclean, Va., achieving LEED Gold certification. Project teams used 17 percent of salvaged materials for this 7,000-square-foot tenant improvement project.

 [Click here to return to Contents](#)

CIMdata PLM Industry Summary

Autodesk Expands Online Guide to Sustainable Design for Green Building Retrofits

12 November 2009

[Autodesk, Inc.](#) has announced the availability of major updates for the [Autodesk Guide to Sustainable Design for Architecture, Engineering and Construction](#). Launched earlier this year at the [American Institute of Architects](#) conference, the free online guide helps architecture, engineering and construction professionals make better informed decisions to achieve building performance goals.

The updated site now extends through the entire building lifecycle with new features and tools targeting green building retrofit and renovation projects, and an expanded focus on relevant issues of interest to building owners and energy service companies.

“The growing number of building regulations and new stimulus funding is creating rapid growth in the green retrofit market – a market that McGraw-Hill projects will reach \$10 to \$15 billion by 2014,” said Phil Bernstein, FAIA, vice president of industry strategy and relations for Autodesk's Architecture, Engineering and Construction solutions arm. “We enhanced and expanded the Autodesk Guide to Sustainable Design to provide existing building owners, and AEC professionals, with practical tools and information to help them achieve optimum energy efficiency and minimal environmental impact for their renovation projects.”

New Features Promote Energy-Efficient Building Practices

The updated Autodesk Guide to Sustainable Design site now features a unique graphical user interface that presents the user with two options, *New Construction* or *Renovation*, each customized to the visitor's profession or industry selection. The guide offers detailed virtual walk-throughs for all phases of a new design or renovation project, allowing visitors to view key decision points at each stage of a building's lifecycle: energy efficiency, water efficiency and carbon emissions. Along the way, users can learn how to effectively use building information modeling ([BIM](#)) process supported by tools for green analysis, visualization and simulation, to foster multidisciplinary collaboration from the earliest stages of a project and throughout the building lifecycle.

Other key enhancements include:

Decision Grid tool to help evaluate and make sound decisions at each step of the process, and to understand how Autodesk tools can be used to achieve green retrofit goals

Tools to show how to more quickly generate a 3D [Autodesk Revit Architecture](#) digital information model from 2D photos of an existing building to more rapidly conduct whole-building energy analysis and evaluate renewable energy potential

White papers, podcasts and videos to demonstrate how to more quickly and accurately achieve energy-efficiency and environmental goals for a green retrofit project

BIM is an integrated process for exploring a project's key physical and functional characteristics digitally before it is built. Coordinated, consistent information is used throughout the process to design innovative projects and conduct analysis from the earliest stages, better visualize and simulate real-world appearance, performance and cost, and deliver projects faster and more economically, while minimizing environmental impact.

 [Click here to return to Contents](#)

CIMdata PLM Industry Summary

Autodesk Honors Three Universities for Efforts to Promote Building Information Modeling

9 November 2009

[Autodesk](#), Inc. announced that three universities, [California Polytechnic State University](#) (San Luis Obispo, California), [South China University of Technology](#) (Guangzhou, China) and [RWTH Aachen University](#) (Aachen, Germany), have earned an [Autodesk BIM Experience Award](#) for exemplary [building information modeling](#) (BIM) educational efforts and research.

California Polytechnic State University

To advance its goal of preparing students for the future, the College of Architecture and Environmental Design (CAED) at California Polytechnic State University incorporates building information modeling into coursework to encourage interdisciplinary collaboration and to instill an integrated understanding of building design in its degree programs. The CAED began using Autodesk BIM software in its core curriculum in 2007, based on feedback from affiliated industry professionals regarding the current state of practice and projected industry trends. As a part of their BIM training, CAED students use [Autodesk Ecotect Analysis](#) software, [Autodesk Revit Structure](#) software, and [Autodesk Revit Architecture](#) building design software.

South China University of Technology

Founded in 1932, the School of Architecture, South China University of Technology has been pursuing building information modeling as major research topic since 2005, as part of the Building Lifecycle Management-BIM Laboratory jointly created with Autodesk. Also in 2005, South China University, Tsinghua University, Tongji University and Harbin Institute of Technology jointly compiled *BLM Theory and Practice Series*, the first domestic Chinese texts introducing building lifecycle management and BIM theory and practice. Since 2005 faculty members have compiled several BIM-related textbooks, including *Revit Building Architecture Design Tutorial* and *Introduction to Digital Architecture Design*, which have been adopted by many Chinese colleges and universities.

RWTH Aachen University

Founded in 1870, the School of Architecture at RWTH Aachen University offers a variety of BIM courses, including BIM “basics” electives (for architectural diploma and bachelor’s degrees) and BIM “professional” electives (for architectural diploma and master’s degrees). In these classes, the students use a range of Autodesk BIM software to develop and explore their building designs. The design-oriented basics class includes the theory of BIM and software instruction for creating building information models. The advanced classes are more practice oriented. Topics include scheduling, analysis, design-to-fabrication strategies, and how a BIM-based design can interface with other disciplines and software such as estimating, construction planning, and computer-aided manufacturing. Autodesk software used in the coursework includes Autodesk Revit Architecture, [Autodesk 3ds Max Design](#), Autodesk Ecotect Analysis, [Autodesk Navisworks](#) and [AutoCAD](#) software.

The Autodesk BIM Experience Award recognizes professionals and educators around the world who are helping to drive industry transformation through building information modeling. Autodesk honors organizations for their innovation, leadership and excellence in implementing BIM with the help of core BIM products, including one or more of the Autodesk Revit platform products, and/or [AutoCAD Civil 3D software](#), and other Autodesk products that complement the BIM process, such as AutoCAD software.

 [Click here to return to Contents](#)

CIMdata PLM Industry Summary

Autodesk Takes Leadership Role in Greenhouse Gas Reductions

9 November 2009

[Autodesk, Inc.](#) has developed a new and more rigorous methodology for corporate greenhouse gas (GHG) target setting. Autodesk developed the [Corporate Finance Approach to Climate-Stabilizing Targets \(C-FACT\)](#) to align its own GHG reduction targets with global scientific and policy climate stabilization targets.

C-FACT is more science-driven, business-friendly, and transparent than current methodologies being used by most companies. In measuring its GHG emissions, Autodesk aims to lead the field in taking responsibility not just for direct emissions, but also for a wide range of indirect emissions including business travel, leased facilities, employee commuting, major conferences, and data center vendors. Uniquely, these are all included under Autodesk's new GHG target.

“Corporate GHG target setting has become a little like the Wild West, with few laws, little scrutiny, and quite a bit of aimless shooting,” said Emma Stewart, senior program lead for Autodesk's sustainability initiative. “C-FACT takes a different approach that accommodates the normal changes to our business. And we are challenging other companies to reduce their GHGs in line with scientific and policy climate stabilization targets of 85 percent by 2050.”

Autodesk's C-FACT advocates that companies adopt a normalized goal using a more nuanced approach that recognizes they are GHG emitters but simultaneously create economic value. It takes the 2008 BT Climate Stabilization Intensity model a step further by changing the measure of added value to be universally acceptable by any accounting system, and it introduces new mathematical principles that allow it to be:

Proportional, Replicable and Verifiable: Corporate commitments should be proportional to the company's value to the economy, while holding performance accountable with replicable and verifiable information.

Non-prescriptive, Flexible, and Predictable: Allows individual business units to make decisions and commit to targets to; adapts to short-term deviations from the target trajectory; predictable forecasting incorporated into business planning and optimization of cost-savings.

Compatible and Fair: Compatible with generally accepted corporate finance principles and fair to companies of all sizes, GHG footprints, and growth prospects.

Autodesk has committed to C-FACT through 2020, as well as performance reports against the stated target at the close of each fiscal year (FY). Using the new methodology calculation to set targets for FY10, Autodesk will aim to reduce its absolute emissions by 4.52 percent compared to FY09, translating to 3,756 metric tons of GHG.

“This is a major step forward for Autodesk, but also for corporate GHG target setting in general,” said Lynelle Cameron, Autodesk's director of sustainability. “Businesses increasingly want to set ambitious GHG targets without compromising business growth or compatibility with accounting practices. Like many software makers, Autodesk's GHG footprint is insignificant, from a climate perspective, compared to a large industrial manufacturer. But C-FACT can now be applied as a best practice by any company – and that is significant.”

Between FY08 and FY09, Autodesk's total GHG footprint increased by one percent. This absolute increase in emissions was accompanied by a significant increase in contribution to gross domestic product (GDP), so Autodesk's carbon intensity per unit of added value dropped. Carbon intensity also

CIMdata PLM Industry Summary

dropped per employee (by nine percent) and per square foot (by five percent) between those two years.

To further its understanding of indirect emissions upstream and downstream, Autodesk's Sustainability Initiative recently undertook the first-ever [carbon footprint](#) of [AutoCAD software](#). The study examined different phases of the product's life in the US, including raw material extraction, transportation, product manufacturing, distribution and end of life. The study identified the most carbon-intensive activities in the traditional physical delivery method, and demonstrated that software download is nearly five times more carbon efficient than the distribution of a fully packaged product. Autodesk is using the results of the study to educate its customers about the carbon benefits of software download, as well as to further investigate viability of alternate distribution methods.

To learn more about Autodesk's commitment to sustainability initiatives at Autodesk, please visit www.autodesk.com/green

 [Click here to return to Contents](#)

Bluebeam Software Releases White Paper on Implementing Paperless Construction Projects

10 November 2009

Building project teams, large and small, use an excessive amount of paper to create, distribute and review project drawings and documents.

Today, as the 2009 Greenbuild Conference and Expo opens, Bluebeam Software announced the immediate availability of a white paper that will help design and construction firms develop greener communication practices based on PDF. "Paperless Construction Projects: Implementing New Technologies to Digitize Project Communication" outlines how project teams can implement PDF editing technology such as Bluebeam PDF Revu along with mobile and pen-input hardware solutions to create more efficient, electronic workflows.

The paper was written by Erica Lee, RA and LEED AP, an architect with 20 years experience working on large commercial and hospitality projects. "Over the past several years, PDF has become an integral part of my entire design through construction process," said Lee. "It is my hope that the information in this paper will help affect real change in the way we as architects, engineers and contractors share and communicate project data."

"There is something for everyone on a project team to learn from this paper, from those already using PDF for project communication to those still using pen and paper," said Stephani Haynes, Director of Marketing at Bluebeam Software. "Erica has outlined the benefits of incorporating PDF along with tablet PCs, interactive whiteboards and pen-input monitors, throughout each phase of a project, and offers new ideas for using PDF to create efficiencies."

The white paper is available for download at <http://www.bluebeam.com/goPDF>.

 [Click here to return to Contents](#)

Dassault Systemes Strengthens Commitment to ENOVIA SmarTeam V5

9 November 2009

Dassault Systèmes (DS) announced that it is subcontracting the development and support of its ENOVIA SmarTeam V5 technology to artizone, a newly created and independent company that will

CIMdata PLM Industry Summary

develop and support ENOVIA SmarTeam technology under an exclusive contract with Dassault Systèmes. The creation of artizone by former ENOVIA SmarTeam professionals guarantees the continuity and sustainability of the DS engagement in ENOVIA SmarTeam V5. Alex Zeltcer, former CEO of the SmarTeam brand and VP of Dassault Systèmes' Value Channel, will become CEO of artizone.

artizone's team is built around the ENOVIA SmarTeam V5 professionals and senior management located at DS Israel. It will continue to invest in the SmarTeam product roadmap, while supporting new customers, as well as the current installed base of more than 8000 customers around the world. In parallel, artizone will start an additional, non-competitive business line in the area of online retail. Zeltcer explains, "artizone has its basis in ENOVIA SmarTeam and leverages the same people and the same product expertise. By building an entity that is based on a solid relationship with DS on one hand, while developing new solutions for the future, everyone wins: DS customers, DS, and artizone's employees."

DS remains strongly active in the Israeli market with a sales office representing the full DS brand and product portfolio. Gilad Friedman will become managing director of DS Israel to develop the growing local market. DS will work closely with artizone to better serve current ENOVIA SmarTeam V5 customers, but also to jointly develop a successful migration path to V6.

"The dedicated company, artizone, provides ENOVIA SmarTeam V5 customers with focused R&D and maintenance support activities to satisfy the requirements of the installed base and new V5 customers", says Etienne Droit, executive vice president, PLM Sales and Distribution, Dassault Systèmes. "ENOVIA SmarTeam V5 remains a DS product within the ENOVIA portfolio and continues to be fully supported and enhanced. There will be no change in the ENOVIA V5 roadmap or support lifecycle. All current and future ENOVIA SmarTeam customers will continue to work and interact with DS and its partners in the same manner as in the past, and with the same level of support. In addition, DS will coordinate its V6 migration roadmap with artizone."

Bertrand Sicot, EVP Worldwide Sales, [Dassault Systèmes](#) SolidWorks adds, "The formation of artizone will offer a clear, seamless and focused support model for the ENOVIA SmarTeam V5 customers within the SolidWorks community. We are happy to see the transition of experienced ENOVIA SmarTeam professionals insuring a continued customer relationship."

About artizone LTD

The Israeli software and services provider was established in 2009, by former members of the Dassault Systemes Israel management team, and is currently employing 70 professionals. Built on the strong foundations of PLM expertise, artizone is prepared to develop and support the ENOVIA SmarTeam V5 product-line to the utmost satisfaction of DS customers. In addition to the ENOVIA SmarTeam V5 product-line activities, [artizone](#) announced its mission to develop and to provide an easy-to-use and intuitive on-line shopping arena. artizone will focus its development efforts on the simplification of all related processes, from both sellers and buyers points-of-view.

 [Click here to return to Contents](#)

EMC Commits to MoReq2 Certification of EMC Documentum Records Manager

10 November 2009

EMC Corporation announced its commitment to MoReq2 certification of EMC Documentum Records

CIMdata PLM Industry Summary

Manager.. For European organizations and multinational corporations with European operations, a MoReq2-compliant records management solution from EMC will help them address the most stringent requirements for information governance and compliance. EMC plans to apply for MoReq2 certification next year.

MoReq2 is the second version of the Model Requirements for the management of electronic records. Published in March 2008, it focuses mainly on the functional requirements for the management of electronic records by an electronic records management system (ERMS) intended for use throughout the European Union.

"As a leading provider of records management solutions and a member of the MoReq2 review panel, EMC provided valuable input to ensure that the specification addressed the needs of the widest community of users," said Jeff Bettencourt, Vice President and General Manager of Information Governance Product Group, Content Management and Archiving Division at EMC. "This announcement underscores EMC's commitment to enable our European customers to align their organizations with regulatory compliance requirements, records management standards and best-practices, helping them apply good governance to the growing volume of information that they manage."

EMC's information governance solutions for records management allow organizations to control the entire lifecycle of corporate records -- including creation, safeguard, access and destruction -- according to system-enforced policies. The solutions include EMC Documentum Retention Policy Services, Records Manager, EMC Documentum Physical Records Services and EMC Documentum Federated Records Services. Its unique modular architecture enables customers to deploy as little or as much functionality as needed.

Retention Policy Services allows customers to deploy retention and disposition that is completely transparent to users. Customers can deploy a formal records system with Records Manager. Physical Records Services extends the solution to manage paper, microfiche and other types of physical records in addition to electronic content. Federated Records Services extends retention management capabilities to additional repositories, including Documentum and other third-party systems, providing a single system of record for business content, regardless of location or system.

Records Manager is certified as compliant with several standards in the U.S. and Australia as well as supports international records management guidelines such as ISO 15489.

About Momentum Europe 2009

Held November 9-12, 2009 in Athens, Greece, Momentum Europe is the industry's largest gathering of customers, partners and industry experts in ECM and archiving outside of the Americas. EMC's solutions for information governance will be demonstrated during the technical keynote session and throughout the exhibit floor at Momentum Europe. In addition, there will be more than 30 partners showcasing their products and services that integrate and leverage EMC's content management and archiving solutions.

For up-to-the-minute news and event updates on Momentum, please follow EMC on Twitter at http://twitter.com/emc_momentum. Event photos and videos of select executive presentations will be available for viewing in the Momentum Europe 2009 newsroom.

 [Click here to return to Contents](#)

CIMdata PLM Industry Summary

IMAGINiT Technologies Canada Selected to Sell Autodesk Plant Solutions Software

12 November 2009

RAND Worldwide® announced that its IMAGINiT Technologies division in Canada has been chosen by Autodesk as one of the select value added resellers to sell the AutoCAD P&ID (Piping and Instrumentation Diagram) (link: <http://www.rand.com/imaginit/pid-pr>) software solution.

With this latest authorization, IMAGINiT has become the sole authorized channel for the AutoCAD P&ID product within Canada and is positioned to make available an end-to-end set of solutions for its Plant Design clients.

AutoCAD P&ID software allows designers and engineers to create, modify, and manage piping and instrumentation diagrams with ease. Common tasks are streamlined and automated to boost productivity, while component and line information is easily accessed by designers as they work.

“We are extremely excited to add AutoCAD P&ID to our suite of solutions for our Plant Design customers,” says Joe Oswald, vice president, IMAGINiT Canada. “As we continue to ensure that IMAGINiT provides the Canadian market with the latest technologies, the plant solutions from Autodesk are a very important component of our solution.”

AutoCAD P&ID is built on the most current version of AutoCAD software and is specifically architected to slash project costs and enable efficiencies for designers and project managers in the in the Plant Design space.

“We are very excited with the interest, expertise and the motivation of the IMAGINiT Canada team taking on this new Plant Design Authorization,” says A.J. Murphy, director of business development, Plant Solutions, Americas at Autodesk. “Plant is one of the few markets in today’s world that cannot shut down until times are better. Maintenance must be done, de-bottlenecking is important to increase profitability and in addition, visualization and clash detection tools like Navisworks offer the ability to remove costs from a project before costly errors and re-work are required in the field.”

 [Click here to return to Contents](#)

Infor Names Robert Humphrey New Chief Marketing Officer

9 November 2009

[Infor](#) announced that Robert Humphrey has joined Infor as its chief marketing officer, reporting to Chairman and CEO Jim Schaper.

With more than 30 years of business experience, Humphrey has held various leadership positions, most recently as senior vice president of worldwide field marketing at McAfee, executive vice president - corporate strategy and chief marketing officer at Citadel Security Solutions (acquired by McAfee) and senior vice president of marketing for i2 Technologies. Humphrey also co-founded a strategic consulting and investment banking firm, and served as CEO for start-up software company OpenDesign, Inc.

 [Click here to return to Contents](#)

Invention Machine Expands Reseller Program to Meet SMBs Innovation Demands

10 November 2009

[Invention Machine](#) announced the expansion of its reseller program to meet the growing demand for

CIMdata PLM Industry Summary

Invention Machine Goldfire by small and midsize manufacturers. The company is offering its innovation software to small and medium businesses (SMBs) through its reseller channel. New resellers that have joined Invention Machine's global roster to specifically help SMBs accelerate and sustain product innovation include [Alignex](#), [Boundary Systems](#), [BRT Solutions](#), [Designfusion](#) and [NovaQuest](#).

SMBs face the same challenges as large companies in today's competitive environment. Industry reports indicate that top pressures driving product innovation include the need to satisfy market demand, deliver the right products and shorten product development schedule.

"Small and medium businesses face difficult trade-offs between product innovation and cost control in today's challenging economy," said Jim Brown, president, Tech-Clarity. "Despite tough times, these companies must continue to invest in innovation to remain competitive in the recovering economy and beyond. A powerful innovation platform like Goldfire can help."

Invention Machine selected the following companies because of their strong market knowledge and experience in selling software, including product lifecycle management (PLM) solutions to mid-market manufacturers. These strategic collaborations will now allow our resellers to seamlessly integrate Goldfire into their customers' innovation process, which in turn will help fuel product pipelines and drive revenue.

Alignex is a leading provider of ideation, design, engineering, and manufacturing technologies. Alignex is partnering with Invention Machine so its customers can implement a sustainable innovation process that will allow them to identify and deliver cutting edge products quickly and cost-effectively.

Boundary Systems is a leading software solutions company focused on product lifecycle management. With Goldfire in its portfolio, Boundary can now deliver new innovation capabilities for their customers and prospects and meet their need to aggressively increase market share in their respective industries.

BRT Solutions is a leading provider of PLM and product development solutions. With Goldfire, BRT customers will be able to quickly and predictably roll out new and improved products to market while taking advantage of emerging technologies and customer demands.

Designfusion is a leading Value Added Reseller (VAR) for PLM solutions, focused on solving simple to extremely complex mechanical design or PLM business issues. With Goldfire, Designfusion will enhance its value-add within strategic accounts that are seeking to increase innovation capacity, establish a sustainable innovation process and drive predictability.

NovaQuest Solutions is a leading VAR of 3D and PLM solutions. By [expanding its portfolio](#) with Goldfire, the reseller can enable its clients to create intellectual property with breakthrough technology and develop better ideas upfront, which is especially valuable for SMBs with low product margins or fixed budgets.

"Sustainable innovation is the cornerstone of a global economy, regardless of company size," said [Mark Atkins](#), CEO and chairman, Invention Machine. "Now SMBs can harness the power of our innovation software to accelerate and fuel innovation, deliver the right products and gain competitive advantage in today's innovation economy."

Goldfire, an innovation intelligence platform, helps manufacturing organizations transform ideas into market leading products, making innovation a repeatable and sustainable process. Goldfire combines innovation workflows and collaboration capabilities with precise access to corporate and external knowledge. This software knowledge-enables innovators across an organization and empowers them to deliver the right products the first time, fuel product pipelines, which ultimately boosts revenue and

market share.

 [Click here to return to Contents](#)

SAP Fosters Co-Innovation in China through New Online Collaboration Tools for the Local Community Network

11 November 2009

Reinforcing its commitment to the Asia-Pacific region and to online community network collaboration, [SAP AG](#) announced significant new offerings for its China-based ecosystem, including publically available content relevant for the Chinese market. The company has built new online discussion areas, forums, wikis and blogs for its [SAP® Community Network China](#), enabling members to share knowledge and experiences on numerous solution areas and industry topics. The announcement was made at [SAP® TechEd 2009](#), the company's largest ecosystem education event, being held November 11-12 in Shanghai, China.

Recent updates to SAP Community Network China include:

- Relevant new discussion areas, including the topics of [product lifecycle management \(PLM\)](#), [customer relationship management \(CRM\)](#), [SAP® Business Suite 7](#) and areas addressing the [automotive](#), [manufacturing](#) and [consumer products](#) industries.
- Fourteen discussion [forums](#) covering various hot topics important to the Chinese market, such as the enterprise resource planning (ERP) application, SAP® ERP; process integration; master data management; business intelligence; automotive solutions; and governance, risk and compliance – all in Chinese language to serve the local technologists and business process experts.
- Five new [wikis](#) now available in Chinese, addressing the areas of ABAP, SAP Business Suite 7, CRM, product after-sales service and a best practice guide.
- A new [Chinese blog system](#) launched in August 2009 that already sees 41,000 unique visitors per month.

SAP also recently announced a series of new tools and features available to the nearly 2 million members of its global [SAP Community Network](#) (see “[SAP Delivers Co-Innovation Directly to its Ecosystem Community Members](#)”). SAP Community Network is an active and vibrant community of customers, partners, employees and other thought leaders from around the world who share knowledge and experience on numerous SAP-related topics. The communities provide an open environment for experts to collaborate openly through interactive blogs, wikis and forums, giving members access to information and trusted resources – such as e-learning, technical whitepapers, articles, software downloads, process models, webinars and a variety of formats and topics – so they can truly co-innovate to solve problems and obtain fast, high-quality responses to technology and business questions.

SAP invites new members to explore and join its vibrant online communities at <http://scn.sap.com>.

SAP® TechEd 2009 in Phoenix, Vienna, Shanghai and Bangalore

More than 12,000 SAP customers, partners and technical experts are convening at SAP® TechEd 2009, the company's largest ecosystem education event. In its 13th year, SAP TechEd 2009 was held in Phoenix from October 13-16 and Vienna from October 27-29, is being held in Shanghai on November

CIMdata PLM Industry Summary

11-12 and will be held Bangalore on November 18-20. For more information, please visit www.sapteched.com. Join the conversation via Twitter at #sapteched09.

 [Click here to return to Contents](#)

Saratech Inc. Expands Executive Team with New Hire

12 November 2009

Saratech, Inc. (Saratech), a national partner of Siemens PLM Software, adds a new member to its executive team - Corporate Vice President Frank Fernandez. Mr. Fernandez brings over 17 years of experience in the areas of business development, large account growth, sales management and leadership as well as key executive relationships.

“Frank Fernandez is a valuable addition to our Saratech team,” said Saeed Paydardar, CEO of Saratech, “His extensive knowledge of the PLM market and his passion for excellence, strategic focus and outstanding customer service brings excitement to our extended organization.”

Prior to Saratech, Inc., Fernandez was Director of Professional Services and Support at Rand North America. He also held the position of Director, Strategic Accounts Sales where his sales team more than doubled software and services revenue year over year in 2008. Prior to his position at Rand, Fernandez was Senior Director, PLM Operations at MSC.Software where he quadrupled new software and services revenue over a 2 year period.

About Saratech

Saratech, Inc. provides Product Lifecycle Management (PLM) solutions to support customers in the aerospace, automotive, hi-tech and medical industries. Saratech, Inc. is headquartered Southern California with regional offices across the United States. For more information, visit <http://www.saratechinc.com>.

 [Click here to return to Contents](#)

Shooting for the Moon: ANSYS Sponsors Astrobotic Technology

9 November 2009

[ANSYS, Inc.](#) announced that it has become an official sponsor of Astrobotic Technology Inc.’s Tranquility Trek™ mission, which involves developing a rocket-launched robot as part of the Google Lunar X PRIZE competition. As sponsor, ANSYS is providing its multiphysics engineering simulation software in the development of the robot, lander and payload adapter as the company races to become the first privately funded team to reach the Moon. Through the use of tools from ANSYS, Astrobotic Technology is simulating the effectiveness of machinery and materials performance under extreme fluctuations in lunar conditions — all to be conducted prior to sending the robot to the Moon. The project will pave the way for human exploration and eventual tapping of lunar resources for export to Earth.

The Google Lunar X PRIZE is a \$30 million competition to encourage privately funded teams to send a robot to the Moon, travel 500 meters, and transmit video, images and data back to the Earth. U.S.-based Astrobotic is one of 21 teams from around the world participating in the competition. The company, which has identified a 2011 launch date, already is field-testing prototype Moon robots.

CIMdata PLM Industry Summary

“This is a race after all, so we are leveraging engineering simulation software from ANSYS to keep moving at warp speed,” said David Gump, president of Astrobotic Technology Inc. “We are applying the software to find the lowest-cost, lightest-weight designs for our robots and the deep-space transfer stages that will deliver them from Earth’s orbit to the Moon. ANSYS® technology enables us to examine alternative structures and materials to rapidly find the most effective combinations via simulation, before we build physical prototypes.” For example, Astrobotic Technology will use tools from ANSYS to design the composite structures of the landing stage and then model the impact forces it will experience when it touches down on the Moon.

Surviving the Moon’s environment, which exhibits drastic temperature changes, is proving to be a complex challenge. “The Moon is a harsh world to explore. At noon, for instance, our robots will be baked at 244 degrees Fahrenheit, according to the latest readings from NASA. Our third prototype, created by our partners at Carnegie Mellon University utilizing ANSYS technology, demonstrates how to beat the heat with an innovative asymmetrical shape. The software’s thermal analysis capabilities help us determine the optimal design to withstand the Moon’s elements,” Gump explained.

“Astrobotic Technology’s choice of ANSYS software for Simulation Driven Product Development™ will serve it well during its race to the Moon,” said Jim Cashman, president and CEO, ANSYS, Inc. “This may turn out to be the ultimate in virtual research, since it is impossible to physically reproduce the lunar environment then run prototype experiments in out-of-this-world conditions. The entire mission holds the opportunity for the world to gain insight into new discoveries yet to be found.”

Once the robot reaches the Moon, Astrobotic Technology intends for it to visit Apollo 11’s landing site along the equator and to study the lunar environment’s effects on materials that mission left behind.

About the Google Lunar X PRIZE

The Google Lunar X PRIZE is a \$30 million competition for the first privately funded team to send a robot to the Moon, travel 500 meters, and transmit video, images and data back to the Earth. Teams must secure no more than 10 percent of their funding from governments and deliver their video in HD quality. The first team to land on the Moon and complete the mission objectives will be awarded \$20 million, with \$5 million for second place and \$5 million for bonus events. The final deadline for winning the prize is December 31, 2014.

About Astrobotic Technology Inc.

Astrobotic Technology Inc. was founded by Red Whittaker, a world leader in advanced field robotics. The company is a spin-off from the Robotics Institute at Carnegie Mellon University, where initial prototypes of its Moon robot have been designed and tested. The first mission of Astrobotic Technology, the Tranquility Trek™, will launch to the Moon on a commercially available booster, win the Google Lunar X PRIZE, and show the world the Apollo 11 site in high-definition video. Tranquility Trek will demonstrate the first precision robotic landing on another world, essential to Astrobotic’s long-term business of supporting the science objectives and lunar outposts of NASA and other space agencies. For more information, visit <http://www.astrobotictechnology.com>.

 [Click here to return to Contents](#)

Visual 2000 International Announces Strategic Alliance with Eventura

2 November 2009

[Visual 2000](#) has signed a strategic alliance with Eventura, the UK Fashion ERP Supplier of Bolton,

CIMdata PLM Industry Summary

England for the distribution of Visual PLM.Net™ and provides value-added services for Visual 2000 products across the EMEA region.

The agreement allows Eventura to sell Visual PLM.Net™ throughout Europe and both companies have agreed on a process to allow Visual PLM.Net™ clients to operate support through Eventura's European operations backed by the author, Visual 2000, based in Montreal, Canada.

Speaking on behalf of Eventura, Chris Houghton, Managing Director, says 'We are delighted to be announcing our partnership with Visual 2000. This relationship started some time ago following an excellent score from WhichPLM?™ which had benchmarked the system against the PLM competition. Since then, we have successfully proved the integration with our Enterprise Resource Planning (ERP) offerings to the market. The enhanced functionality compared to its competition, combined with the thin client architecture gives our clients an easy and powerful method to deploy across the supply chain.'

Charles Benoualid, Visual 2000's VP of Research and Development, added 'This alliance only strengthens our global coverage and helps us provide a consolidated approach to the product life management process of the industries we serve. There are strong resources available to both companies and a lot of knowledge is to be shared between us. We see this as a positive step forwards for the industry and believe it will bring great benefit to each of us. Eventura has developed as a strong association in the Apparel, Footwear and Accessories industry and we see the synergy of the two organizations only increasing.'

About Eventura

Eventura is a business systems supplier to the Apparel, Footwear and Accessories (AFA) industry within the UK and mainland Europe. It is a fully accredited Microsoft™ and Sage™ business partner and offers a wide range of computer services to its clients in the small and mid market sectors. It is headquartered in the northwest of England and it can boast previous clients spread throughout Europe including such names as Ashworth, Jimmy Choo, Diadora, Jockey, Pringle of Scotland, Rectella and Umbro to name a few. For more information please <http://www.eventura.com>.

About Visual PLM.net™

Visual PLM.net™ is a full featured Product Lifecycle Management software solution. A multi Platform browser based client, Visual PLM.net™. includes PDM, Merchandise Planning, Multi level Project Management, User and Role based Calendars, Automated internal and external Notification System, Field Based Workflow management, Formulas (Validations, Costing), PDM Interface Designer, Search Designer, Data Integration Manager & Dynamic Reporting Tool.

 [Click here to return to Contents](#)

Zuken Signs First E³.WireWorks Reseller for Great Lakes Region of the United States

12 November 2009

Zuken announced they have signed the first U.S. distributor for the new [E³.WireWorks](#) product family that integrates with SolidWorks' 3D CAD environment.

3DVision Technologies, headquartered in Cincinnati, Ohio, has been selected for their many years of experience working with SolidWorks, and for their respected industry status in the Great Lakes Region of the United States.

Tony Cadwell, head of Zuken's E³.WireWorks indirect sales team, commented: "With our new product

hitting the market, we are rapidly expanding our reseller network. Our partnership with 3DVision Technologies is the start of many new relationships we are forging with companies across the globe to expand the reach of our new solution."

"The U.S. market for electrical wiring, harness and cable design software holds extensive opportunities for us. 3DVision will help us realize this," continued Cadwell.

3DVision's core territory for the sale of E³.WireWorks is Ohio, Kentucky and Indiana. Todd Majeski, President and CEO of 3DVision Technologies, said: "We are thrilled to sign on as an E³.WireWorks reseller. This product is an ideal fit with our current offerings and supports our proven commitment to solve engineers' most important product development goals; higher quality products, less time to market, lower development costs, and better design communication, collaboration and review."

For more information on E³.WireWorks please visit www.zuken.com/e3wireworks and for further details on 3DVision visit <http://www.3dvision.com>

 [Click here to return to Contents](#)

Events News

COADE CAESAR II User Group to Meet Nov 19 in Houston to Discuss Pipe Stress Code Updates and Other Software Enhancements

9 November 2009

Date/Location: November 19th, 2009 - Houston, TX

Food: Light snacks and refreshments served

Time: 5:30PM - 7:30PM

Connect with the Houston CAESAR II user community, share knowledge and best practices, and meet with CAESAR II software developers at the *CAESAR II User Group - Houston*

CAESAR II User group discussions will include:

CAESAR II 5.10 overview and capabilities:

In-line flange analysis

Tighter integration plant model

Updated codes and materials

Versioning/backup

CAESAR II 5.20 overview and capabilities:

Productivity improvements

New and expanded engineering codes

Buried pipe enhancements

CADWorx integration improvements

Software locking

Expert systems - New Loop Wizard

CAESAR II Q&A session

Discussions on future direction of the CAESAR II User Group - Houston, TX

CAESAR II User Group location:

Houston, Texas. November 19th, 2009. 5:30PM - 7:30PM

Gourmet India

13155 Westheimer Rd. Houston, TX

tel: 281-493-5435

Register for CAESAR II User Group [here](#)

 [Click here to return to Contents](#)

Delcam to Focus on FeatureCAM at Manufacturing Indonesia

12 November 2009

Delcam will highlight the 2010 version of its FeatureCAM feature-based machining software at the Manufacturing Indonesia exhibition to be held in Jakarta from 2nd to 5th December. This includes enhancements across the full range of functionality, from 2D drilling and wire EDM, to five-axis milling and mill-turn operations. This broad range of improvements reflects the increased investment in development of the software since its acquisition by Delcam in 2005. Of course, FeatureCAM retains its key benefits by continuing to offer the fastest and easiest-to-use programming system on the market.

A range of improvements in the 2010 version will make FeatureCAM even quicker. Most important of these developments is support for multi-threading when generating 3D toolpaths. This allows calculations to be spread across multiple cores in dual- or quad-core computers. Average time savings are around 25% on a dual-core PC.

Improved algorithms have been introduced within the user interface to speed up the editing of features and to reduce the time needed to switch between machine-tool set-ups, while more efficient handling of stock models will reduce the memory required for calculations and so enhance performance still further.

The most innovative new programming option is combined drilling and milling functionality that will allow more efficient hole creation on machines fitted with automatic tool changing. It generates roughing and finishing toolpaths to produce any holes for which the appropriate drill is not loaded, using the existing tooling within the machine's crib.

The new option is much faster than having to change the tooling available to match the set of hole sizes in each job, especially for companies manufacturing prototypes or short-run components. It will allow complex parts to be produced more easily in cases where the range of hole sizes is larger than the number of positions in the crib. In addition, the number of different tools that need to be stocked can be reduced and it will be much simpler to move jobs between different machine tools.

Companies that do not have automatic tool changing on their machines can also benefit. In some cases, it will be possible to use a combination of drilling and milling with a single cutter to generate all the holes in the part. This could then allow the complete sequence to be run without the machine needing to be manned and without interruptions to change the tooling.

Other new options include a new spiral finishing option that gives faster machining and improved surface finish with no dwell marks, and automatic rest roughing to minimise air cutting when applying a series of progressively-smaller roughing cutters. In addition, a 3D chamfer can be added to a part, even

when this is not shown in the model, for de-burring and similar clean-up operations.

Two improvements have been duplicated from PowerMILL to give faster machining and better surface finish. FeatureCAM now has the same ability to redistribute the points within any toolpath to enable faster, smoother machining. Similarly, the program can now undertake tool-axis smoothing to avoid sudden changes in orientation of the cutter during five-axis machining.

Machining simulation has also been made faster and more accurate, in particular for simultaneous five-axis machining. In addition, a new dual-view option allows a part to be viewed from two different angles simultaneously. This will be most helpful when simulating the production of large or complex parts.

The range of post-processors available with FeatureCAM has been further extended for both five-axis and mill-turn equipment. New machines now supported include the DMG CTX and GMX, Doosan Puma MX and TT, Mazak Integrex ST, Nakamura NTX and NTJX, and Okuma Macturn.

 [Click here to return to Contents](#)

Delcam to Focus on Healthcare Solutions at Euromold

13 November 2009

Delcam will highlight the range of software available from its dedicated Healthcare Division at the Euromold exhibition to be held in Frankfurt from 2nd to 5th December. The new Division was established earlier this year to provide a greater focus on this increasingly important part of the company's business. It helps companies across the medical, dental and associated industries to apply Delcam's expertise and experience in taking advantage of the latest design and manufacturing techniques.

Although the dedicated Division is new, Delcam has been active in a number of areas of the healthcare business for many years. Its comprehensive range of design, reverse engineering, machining and inspection software is used in a wide variety of applications from the production of prostheses, through to the manufacture of surgical instruments and all types of medical packaging. This is especially true for the PartMaker machining system for turn-mill equipment and Swiss-type lathes. These machines are used extensively for the manufacture of medical and dental components, with the result that around 70% of PartMaker sales already come from the healthcare industry.

In addition, Delcam has introduced several specific products for the healthcare market over the last two years. These include the DentCAD and DentMILL programs for the design and manufacture of dental restorations and the OrthoModel and OrthoMill software for the development of custom orthotics. The company also offers special versions of its CRISPIN range of footwear design and manufacturing software for the production of orthopaedic footwear.

The common theme with all these products is that they take existing Delcam technology and add a dedicated interface that uses imagery and terminology from the healthcare sector. This retains the power of the software while making it easy to learn and quick to use for healthcare professionals, even those that are not familiar with using computer-based design and manufacturing. A panel of highly-experienced medical practitioners has been established from among Delcam's user base to provide the expert knowledge that needs to be captured within the software and to guide its future development.

Delcam's increased emphasis on the healthcare industry comes at a time when the sector is expanding rapidly and when it is much more receptive to computer-based technology. The aging population in

CIMdata PLM Industry Summary

industrialised countries and the growing affluence of the emerging economies mean that the healthcare industry is seeing global growth.

The growing interest in CAD/CAM has come about because companies in the healthcare industry are facing growing demands from their patients for faster delivery of better and cheaper products. They want to receive higher quality products and services, and they want to complete their treatment in the shortest-possible time. At the same time, healthcare companies are under pressure to provide this higher quality at lower cost and to increase their productivity to meet the growing demand. These requirements can only be met through the application of more advanced and more automated technology, including that provided by [Delcam](#).

 [Click here to return to Contents](#)

Delcam to Launch Integrated CAM at SolidWorks World

9 November 2009

Delcam will launch its integrated CAM system for SolidWorks at the SolidWorks World 2010 exhibition to be held in Anaheim, California, from 31st January to 3rd February. This initial version of Delcam for SolidWorks will include the company's technology for drilling and two- through five-axis milling. Future releases will cover the full range of machining operations, including turning, mill-turn and wire EDM.

Delcam for SolidWorks combines the benefits associated with Delcam's PowerMILL and FeatureCAM CAM systems. It is based on Delcam's machining algorithms that are already used by more than 30,000 customers around the world. For example, the software will offer PowerMILL's speed of toolpath calculation, plus all of advanced strategies for high-speed machining, including trochoidal roughing, spiral finishing and Delcam's patented Race-Line Machining technique. These strategies ensure increased productivity, maximum tool life and immaculate surface finish, even when cutting the hardest, most challenging materials.

At the same time, Delcam for SolidWorks will have the same strong focus on ease-of-use as FeatureCAM, including all of the knowledge-based automation that makes it so consistent and reliable. Most importantly, the software will include FeatureCAM's Automatic Feature Recognition system which automatically extracts detailed feature information from the SolidWorks model. The system not only recognizes holes and pockets within the model but also groups similar holes by size and type automatically, and identifies draft on pocket walls, and any fillets or chamfers within the pocket. Once the features have been identified, Delcam for SolidWorks undertakes automatic selection of cutting tools, machining strategies, and feeds and speeds, to complete the programming operation.

Delcam for SolidWorks will, of course, be fully integrated into the SolidWorks environment so that the program looks and behaves like SolidWorks. It will offer full associativity so that any changes in the CAD model will be reflected automatically in the toolpaths. However, this associativity will be more intelligent than that offered in many other integrated CAM systems. Delcam for SolidWorks will not simply modify the existing toolpaths but will also review the choice of cutting tools and machining strategies, and change them if necessary.

All toolpaths generated with Delcam for SolidWorks can be checked by the integrated simulation module on the computer before being passed to the machine tool. Finally, the software comes with Delcam's full range of post-processors to allow fast accurate data transfer to all leading types of machining equipment.

CIMdata PLM Industry Summary

[Delcam](#) for SolidWorks marks a new direction for Delcam. Previously, the company has supplied all of its machining software as stand-alone systems that can be linked to any CAD program. “We have received many requests from customers that want to be able to undertake their CAM programming from within the SolidWorks environment,” explained Tom McCollough, Vice President of FeatureCAM Development, who has overseen the creation of the new program. “Delcam for SolidWorks provides direct access to Delcam’s world-leading CAM algorithms from within this leading design software.”

At SolidWorks World, Delcam will meet with leading international SolidWorks dealers to establish a strong distribution channel for its new product. Any SolidWorks representatives that are interested in reselling Delcam’s new software are invited to visit the company on booth 315.

 [Click here to return to Contents](#)

EMC Demonstrates Dramatic Speed-To-Value With Documentum xCP Designer's Challenge

9 November 2009

EMC® Corporation announced that Booz Allen Hamilton has taken first place in the company's EMC Documentum xCelerated Composition Platform (xCP) Designer's Challenge.

Documentum xCP enables customers and partners to build and deploy case processing solutions at a lower cost and with fewer resources. Case processing addresses complex patterns of work found in the majority of business operations by orchestrating how people collaborate and use information to make decisions.

Announced today at Momentum Europe, Booz Allen Hamilton claimed the grand prize with its Roadpulse application, developed in just eight days leveraging Documentum xCP.

Roadpulse enables citizens to notify both local and state governments of important infrastructure-related concerns. Roadpulse Public uses Microsoft Live Map to capture points of interest on which users can collaborate, comment and rate. If certain triggers -- such as a high rating or most views -- occur, the point of interest is automatically routed to the local or state government. As the local government tracks the status of the case in Roadpulse Enterprise, the public can also see the status via Roadpulse Public. A demo of Roadpulse and all the winning applications can be found in the Documentum Developer Community, one of the many active communities that are part of the EMC Community Network (ECN). The ECN is a collection of global, online collaboration communities where EMC customers, partners and employees share best practices, code and desired product enhancements.

EMC Documentum xCP

Documentum xCP is an applications composition platform that provides fully integrated technologies, development and deployment tools, application accelerators and a focus on configuration versus coding -- while reducing project complexity and risk. Documentum xCP unifies content management, business process management, intelligent capture, customer communications management, collaboration, case management, analysis, reporting and compliance management into a single unified environment. IT organizations and systems integrators can leverage Documentum xCP to rapidly compose a variety of case-based applications and solutions such as grants management, integrated justice, lending, claims processing, new account opening and many others -- across virtually all industries.

Second Place Winner

Winning second prize in the Developer's Challenge was Avantias and the company's Education Center

CIMdata PLM Industry Summary

application, which was developed in just eighteen days using Documentum xCP. This case management solution streamlines the process of a typical education center. It starts with Web or paper-based registration, followed by workflow processes for attendance record and customized publishing of acknowledgements and final evaluations. In addition to Documentum xCP, the application incorporates both EMC Captiva® InputAccel® for intelligent capture and EMC Document Sciences® xPression® for customer communications management.

Third Place Winner

Taking third prize in the challenge was Trends Global, which developed its Healthcare Content Collaboration Gateway application in just eight days using Documentum xCP. The Healthcord XT Content Collaboration Gateway allows healthcare providers to share patient records and other documents electronically while meeting HIPAA compliance requirements. When a patient requests a copy of his medical record, the application generates a master list which is then e-mailed to the patient. After the patient selects the healthcare record he needs, it can be viewed or e-mailed to a family member or other doctors.

EMC Documentum xCP Designer's Challenge

The challenge was initially issued to prove the ease and speed of application composition using Documentum xCP. Developers from around the world were invited to build an application of their choice using the tools, components, services and capabilities provided by Documentum xCP. The finalists were selected based on breadth of functionality, the amount of composition and configuration versus custom code and the completeness of the application. The top three winners will take home cash prizes -- \$35,000 for first prize, \$10,000 for second prize and \$5,000 for third prize. Winners have the option of donating their prizes to charity.

EMC Executive Quote

"When we first announced the Designer's Challenge, our goal was clear: to show the world just how easy it is for companies to build case-based applications leveraging EMC Documentum xCP. The submissions we received were nothing short of amazing as developers were able to create business-relevant, case-based applications using Documentum xCP in times ranging from eight to just under forty-five days. We are extremely pleased with the results of the challenge and wish to thank all participants for taking the time to submit such thoughtful, business-relevant submissions."

- Whitney Tidmarsh, Chief Marketing Officer, Content Management and Archiving Division, EMC

Supporting Quotes

"EMC Documentum xCP is absolutely amazing! It installed on my laptop effortlessly; the sample application makes it clear how to build similar solutions; and the best practices document was a great references guide. We'll definitely be able to use Documentum xCP in our client practice."

- Vikram Pant, Associate, Booz Allen Hamilton

"When we first installed EMC Documentum xCP, I was truly blown away by its ease-of-use. The fact that we were able to build such a significant application in just eighteen days is testament to the power and flexibility of the solution. I've truly never come across a solution as flexible or easy-to-use as Documentum xCP."

- Denis Garet, EMC Documentum Technical Expert, Avantias

"Eight days. That's all it took for us to develop our Healthcare Collaboration Gateway application

CIMdata PLM Industry Summary

leveraging EMC Documentum xCP. A powerful healthcare solution that meets today's healthcare needs as it relates to patient privacy protection, just-in-time medical information and cost reduction. Our experience with Documentum xCP exceeded our expectations."

- Erwin Chiong, President and Founder, Trends Global

Momentum Europe 2009

Documentum xCP will be demonstrated during the technical keynote session and throughout the exhibit floor at Momentum Europe. In addition, there will be more than 30 partners showcasing their products and services that integrate and leverage EMC's content management and archiving solutions.

For up-to-the minute news and event updates on Momentum, please follow EMC on Twitter at http://twitter.com/emc_momentum. Event photos and videos of select executive presentations will be available for viewing in the Momentum Europe 2009 newsroom.

 [Click here to return to Contents](#)

Lectra Showcases Newly Released Versions of Lectra Fashion PLM and Kaledo® at Apparel Tech Conference 2009

10 November 2009

Lectra announced its participation in the Apparel Tech Conference 2009 in New York City, November 11-12. Held in NY's Fashion Institute of Technology, the Apparel Tech Conference gathers apparel brands, manufacturers and retailers to preview technology solutions and services from a select group of providers.

At the conference, Lectra's Vice President of Sales, Strategic Fashion and PLM, Simon Poulton will explore PLM in a presentation titled, "The Product Lifecycle Starts with Design - So Should Its Management." According to Simon, "Nearly 60% of a product's life is spent in design and development; as such it is essential to have complete visibility through the entire process from design to development and across the supply chain." Simon's presentation, held Thursday, November 12th at 1:00pm, will explore how a comprehensive, fashion-dedicated PLM platform can provide the ability to truly manage the entire design and development of a product's lifecycle without compromising creativity.

Lectra Fashion PLM V2R1, the latest version of Lectra product lifecycle management solution for the fashion industry, is a modular and scalable solution, tailored specifically to the needs of the fashion industry, with built-in best practices developed throughout Lectra's years of work with the biggest names in fashion.

This process-oriented offer incorporates tools for all the activities and processes involved in the business of bringing a collection to market. Lectra Fashion PLM V2R1 includes modules for line planning, scheduling, costing, sourcing and performance monitoring, created with strategic decision makers in mind, and also process-based applications for fashion design, technical specifications, pattern-making, 3D prototyping and sample development.

Kaledo® V2R1 enables creative teams to benefit from the latest advances in design technology, both for textile and fashion. Kaledo brings design, product development, marketing and management teams together -- helping them to collaborate harmoniously when developing trends and collections. Kaledo includes modules to create highly realistic simulations of prints, weaves and knits, and to develop variations in just a few mouse clicks.

CIMdata PLM Industry Summary

Kaledo functions on a platform specially devised to meet the specific needs of fashion companies. Its range of tools enables designers to increase productivity while facilitating the exchange of ideas, visuals and data between teams.

Kaledo and Lectra Fashion PLM events Hosted by Lectra

In conjunction with the Apparel Tech Conference, Lectra will bring together dozens of leading fashion and apparel companies to address design issues facing all fashion companies today. Lectra will preview its latest version of Kaledo and Lectra Fashion PLM in two events on November 10th at Lectra Fashion Headquarters, just blocks from the Apparel Tech conference at 25 West 39th Street, FL 4.

Lectra's Kaledo event will take place from 12:00pm to 2:00pm. The Kaledo Lunch and Learn provides a forum for designers and the professional design community to network and learn more about the latest innovations in design technology.

As part of the Lectra Fashion PLM event, Lectra's partners, Walter Wilhelm Associates LLC -- one of the most qualified and experienced consultancy firms in its domain, responsible for nearly 50% of PLM implementations within fashion and related retail industries across the globe -- will present a clear path to successful implementation. This event will take place from 4:00pm - 6:00pm, followed by a reception.

To confirm attendance, contact Heather McCready: h.mccready@lectra.com - 212.730.4444 ext 202.

 [Click here to return to Contents](#)

Multiphysics Conferences in Boston and Milan Draw More Than 700 Engineers, Researchers, and Scientists

9 November 2009

More than 700 of the world's practitioners of multiphysics simulation recently gathered for the fifth annual COMSOL Conference in October. Complementary events were held in Boston and then Milan, Italy. The next stop for the annual world tour of this conference focused on multiphysics modeling and simulation for engineering and scientific research is Bangalore, India, November 13-14, 2009, followed by additional conferences in Shanghai, Beijing, Tokyo, and other locations.

Highlighting this year's events was the release of a beta edition of COMSOL Multiphysics 4.0, the newest version of the company's multiphysics modeling and simulation environment, which was distributed to all attendees and media contacts. Among the many enhancements in Version 4.0 is the COMSOL Desktop™, an all-new user interface that makes it easy for users to build and run simulations.

The Boston conference, held at the Boston Marriott in Newton, MA, attracted more than 300 COMSOL Multiphysics users from 11 countries. Attendees represented nearly 200 different companies as well as military and scientific research centers and academic institutions. More than a dozen media and industry analysts attended the Boston event including media sponsors NASA Tech Briefs, Design World, Chemical Engineering Progress, Design News, Desktop Engineering, and Microwave Journal. Exhibitors and conference sponsors included Microsoft, SolidWorks, MathWorks, MatWeb, and AltaSim Technologies.

The Boston conference offered attendees more than 130 user presentations as well as nearly three dozen minicourses and tutorial sessions on such topics as AC/DC systems, acoustics, bioengineering, chemical engineering, earth science and porous media flow, electrostatics and electromagnetics, fluid dynamics,

CIMdata PLM Industry Summary

fluid structure interactions, heat transfer, materials science, MEMS, microfluidics, microwaves and RF, optics, parallel processing, thermo-mechanics, structural mechanics, and scientific and engineering education. Keynote speakers included Dr. Darrell Pepper from the University of Nevada - Las Vegas, Edwin Ethridge of NASA's Marshall Space Flight Center, Marc K. Smith from Georgia Institute of Technology, and Michael A. Vallance of GE Global Research.

The conference also included a large poster session and a banquet dinner honoring the best technical papers as voted on by the program committee and best posters as voted on by the a panel of judges as well as a popular vote. The opening night networking reception was sponsored by NASA Tech Briefs.

As in Boston, attendees at the COMSOL Conference in Milan, Italy, held at the Leonardo da Vinci Hotel - Convention Center, had their choice of 139 user presentations as well as nearly 30 minicourses and tutorial sessions. Keynote speakers in Milan included Vincenzo Guida from Procter & Gamble – Italy, Bertrand Baudouy of CEA Saclay, Jan Przybyla from e2v Technologies, and Filip Van den Abeele from OCAS. Among the additional event sponsors for the Milan COMSOL Conference were Materialise, Simpleware, SpaceClaim, and Validus Engineering. Seven media sponsors, including Fiera Milano Editore and Physics World, attended the event.

The 2009 COMSOL Conference next convenes at the ITC Windsor Hotel in Bangalore, India, November 13-14, 2009. A complete description of the 2009 COMSOL Conference-Bangalore is available on the COMSOL [website](#).

Localized versions of the 2009 COMSOL Conference will be held throughout the Pacific Rim during November and December. The final stop for the 2009 COMSOL Conference will be Seoul, South Korea, on December 8. For a complete list of dates and locations, conference registration details, or for more information about COMSOL Multiphysics 4.0, visit the COMSOL Inc. [website](#).

 [Click here to return to Contents](#)

OPEN MIND Presents CAD and CAM Solutions at EuroMold 2009: hyperMILL® 2009.2, hyperCAD® 2009.1, CAD integrations for hyperMILL®

11 November 2009

At this year's EuroMold, OPEN MIND Technologies AG will present both new and enhanced features and technologies in their CAD and CAM solutions. The main focus at Stand N01 in Hall 8.0 is the release of hyperMILL® 2009.2 with CAD integrations for Autodesk® Inventor® and SolidWorks®. Furthermore, the latest version hyperCAD® 2009.1 will also be on show with its many new and intelligent features for an even more efficient design process.

At EuroMold 2009, OPEN MIND Technologies AG will demonstrate its product portfolio including CAM systems, CAD software and CAD-integrated CAM solutions for integrated and powerful process chains in tool and mould making, design and product development. Notable highlights from OPEN MIND in Hall 8.0, Stand N01:

hyperMILL® in Autodesk® Inventor®, hyperMILL® for SolidWorks®

The highest level of flexibility in the CAD environment thanks to the integrated use of the leading technology in the CAM software: The new hyperMILL® 2009.2 release now allows users of various CAD platforms to access the full range of functions of hyperMILL® 2009.1. The highlights include, for example, the optimised fast travel concept, structured job lists and job linking. These and many more features help to reduce costs and allow users to work even more efficiently.

CIMdata PLM Industry Summary

Thanks to the integration, the user interface of the CAM application takes on the ‘look and feel’ of the CAD software. This increases the speed and efficiency of CAM programming in the familiar CAD environment, while also preventing errors and reducing the user’s overall workload.

The CAD-integrated OPEN MIND solution has just been certified by Autodesk Inc. for use with Autodesk® Inventor® 2010. The CAD software provider has thus confirmed the full integration and data associativity of hyperMILL® for its CAD suite.

The CAD integration of hyperMILL® for SolidWorks® was approved as a “Certified Gold Product” by the Dassault Systèmes SolidWorks Corp. due to its seamless integration, quality and interoperability.

Design more efficiently with hyperCAD® 2009.1

The new OPEN MIND release hyperCAD® offers a plethora of intelligent functions and extensions, which enable increased transparency and fast, reliable designing, including:

Creating templates

Project-specific CAD environment: When creating a new model, all user-specific data such as layer description, colours or even pre-machined job lists can be set by default. This means that when the program starts all data is visible for every project.

Hiding all inner objects

This feature allows all non-visible elements to be selected and hidden from the model. The resulting model is more transparent and therefore easier to machine.

Colours in the solid

Flexible transition: Surfaces in a solid are assigned different colours. If the user switches between solid and surface models or vice versa, all colour information is retained.

“Reshape” functions

Transparency and efficiency: The new hyperReshape function allows STL data models to be modified. Holes can be closed, STL meshes can be reduced and boundaries can be selected in the STL mesh.

5axis milling with hyperMILL®

hyperMILL® provides a wide range of strategies for efficient and reliable 5axis milling. Simple programming with automatic collision control and avoidance ensure that neither the tool nor the holder collide with the workpiece during the machining process. In addition to the standard strategies, hyperMILL® integrates forward-looking solutions that can be used to mill even complex metal parts and to machine parts in a more efficient manner. With software packages for cavities, surfaces and specialised tasks, OPEN MIND offers an extensive range of machining operations that is unique throughout the world.

 [Click here to return to Contents](#)

PROSTEP Free Webinar: Navigate around Obstacles with Shipbuilding Enterprise Interoperability! Webinar (45 Min)

November 2009

More than 100 suppliers are involved in the process of developing and building a ship , and they all have to carefully coordinate their work with one another to ensure that all the parts are available on time and

CIMdata PLM Industry Summary

fit together perfectly.

Heterogeneous IT systems, a lack of appropriate interfaces and manual processes often make data communication in development projects a time-consuming task. Shipyards and suppliers are therefore looking for solutions that will allow them to reduce the time and effort involved in communication and use their manpower more efficiently.

Attendees will gain an understanding of the following topics:

- What differentiates a Shipbuilding Engineering infrastructures from those used in Automotive and Aerospace
- What consequences arise from a lack of integration and collaboration capabilities?
- The use of international standards for integration and collaboration in Shipbuilding.
- Data that are relevant for integration: starting with steel, over piping to machinery, electrics and equipment
- How to integrate with systems like AVEVA's Tribon, ShipConstructor or Intergraph's "SmartMarine"

This Webinar is FREE

Please click on the desired REGISTRATION DATE Below

[Thu, Nov 19, 2009 11:00 AM - 12:00 PM EST \(New York Time\)](#) (LIVE)

[Thu, Nov 19, 2009 4:00 PM - 5:00 PM EST](#) (Repeat - Pre-Recorded)

[Fri, Nov 20, 2009 9:00 AM - 10:00 AM EST](#) (Repeat - Pre-Recorded)

All Times listed are GMT - 5

OPTIONAL ONLINE WORKSHOP \$49

An optional in-depth 3 hour workshop follows immediately **after the first Live webinar** and builds upon the concepts presented in the Webinar above.

- Architecture Considerations: what is the use of SOA and WebServices Supply Chain Strategies
- Work on an Engineering Integration datamodel that reflects mechanical and electrical data - steel, piping and equipment
- Set-up an example implementation of an AVEVA TRIBON to ENOVIA Matrix integration
- Data replication, synchronization and delta exchange
- Enterprise Workflow and Change Enterprise Security Concerns
- Participant Q&A

This optional 3 hour workshop immediately follows the first webinar and cost \$49, which includes a certificate good towards 2 days of regularly scheduled 2009 / 2010 classes (of 3 or more days) at PROSTEP's offices in the US (\$1980 value).

CIMdata PLM Industry Summary

To Register for the Optional Workshop select "YES" when registering for the webinar, when prompted. An invoice will be mailed separately.

 [Click here to return to Contents](#)

Si2 Announces Sponsorship of “3D Architectures for Semiconductor Integration and Packaging Conference”

10 November 2009

Silicon Integration Initiative ([Si2](#)) announced its sponsorship of the “3-D Architectures for Semiconductor Integration and Packaging Conference.” This conference will be held December 9-11, 2009, at the Hyatt Regency San Francisco Airport in Burlingame, CA, and is developed by RTI International.

“Si2’s member companies recognize the growing business need for designing and integrating circuits in 3-D, as well as the technical challenges that must be solved,” says Sumit DasGupta, sr. vice-president of Engineering at Si2. “Many of our member companies and other interested parties are also calling for new standards in 3D design, which Si2 is currently investigating.” At this conference, Dr. DasGupta will be presenting the findings from a recent 3D Standards workshop hosted by Si2 and GSA.

The various performance, size, and cost drivers to the move toward 3-D are well known. Likewise, the various routes and options for implementation of 3-D, whether it is through front-end device manufacturing or in back-end packaging, are often discussed. Near-term market opportunities are widely recognized as well. Regardless of this expanding reality, the situation continues to be very dynamic as technology continues to evolve, and the understanding of cost/performance benefits relative to specific market applications continues to expand. The best path forward, whether from a technology or market standpoint, often remains uncertain.

This year’s conference will provide attendees and speakers the unique opportunity to explore and understand the technology and business implications of the trend toward 3-D device and system integration in the semiconductor industry. Conference Sessions for this year’s event include:

- The IDM and Foundry Perspective on 3-D Technology Trends and Opportunities
- The Packaging Foundry and its Vital Role in Driving 3-D
- Looking Over the Horizon - Forecasting Growth
- On the Front - Applications Driving 3-D Development and Commercialization
- Taking Advantage of 3-D - Rethinking Design Approaches
- Industry and Government Funded 3-D Efforts - Key Research Outcomes and Resources
- Fundamental Technology Approaches to Building 3-D
- Wafer Handling Leads the Way on Manufacturing

Registration and additional information is available at: <http://techventure.rti.org/Winter2009/>.

 [Click here to return to Contents](#)

CIMdata PLM Industry Summary

Zuken Previews New Version of E³.series 2010 at SPS/IPC/Drives

12 November 2009

Zuken is again to participate at this year's [SPS/IPC/Drives](#) trade fair in Nuremberg. The highlight of Zuken's trade fair appearance will be the first public preview of [E³.series](#) 2010, Zuken's software solution for the engineering of electrotechnical, pneumatics and hydraulics applications. Zuken's theme for participation is cross departmental collaboration, as Zuken strives to be companies' partner for success.

E³.series 2010 contains over 100 new functions in all modules of E³.series. Of particular note are the new options for table-based processing of mass data. With just a few interventions, a wealth of objects, such as sheets, components and connections, can be modified simultaneously. E³.panel's 3D library enables optimized STEP imports of component models — a useful feature, since many component manufacturers offer downloadable STEP files of their components.

As well as the improvements in all E³.series modules, new modules have also been added - the E³.WiringDiagramGenerator automatically creates complete block diagrams including all connections, wires, disconnection plugs and splices - allowing hundreds of pages to be generated in just a few minutes. The new E³.FunctionalDesign module enables functional units to be assigned in reserved spaces and then later assigned to control units, actuators and sensors.

Zuken will also be showcasing its high-end development solution [CR-5000](#) for electronics systems and PCB design and through integration with E³.series. Zuken is able to facilitate parallel development and simulation. For the development of control unit electronics and embedded software, CR-5000 provides a standardized design and verification environment that in particular also supports FPGA/PCB co-design and embedded processors.

Zuken will also be exhibiting E³.e-PLM, the design data management environment for E³.series. This solution can be implemented with automatic configuration settings, or can be totally customized – providing access and control mechanisms for effective management of variants, revisions and for product customization. The key focus of Zuken's presentations is comprehensive collaboration across departmental lines, including suppliers — an aspect that is becoming more and more important. This extremely important issue is a recurring theme throughout all of Zuken's software solutions.

Zuken will be showcasing its products in Hall 7 at Booth 7A-309, as a partner CADCABEL will also be present.

 [Click here to return to Contents](#)

Financial News

Aspen Technology Announces Financial Results for Fiscal Year 2009

9 November 2009

- Files Annual Report on Form 10-K for Fiscal Year 2009
- Files Quarterly Reports on Form 10-Q for First, Second and Third Quarters Fiscal 2009
- Announces Selected Preliminary Financial Results for First Quarter Fiscal 2010

Aspen Technology, Inc. announced that the company filed its Annual Report on Form 10-K for the

CIMdata PLM Industry Summary

fiscal year ended June 30, 2009, in addition to Quarterly Reports on Form 10-Q for the first, second and third quarters of fiscal 2009, ended September 30, 2008, December 31, 2008 and March 31, 2009, respectively. The company also announced selected preliminary financial results for the first quarter of fiscal year 2010, ended September 30, 2009.

Selected Preliminary Results for the First Quarter Fiscal 2010

Mark Fusco, Chief Executive Officer of AspenTech, said, "The first quarter of fiscal 2010 included a milestone event in the history of our company, as we introduced a new, subscription-based commercial model that we believe delivers greater value to our customers and will enable AspenTech to better scale from a long-term perspective. We are very pleased with initial customer response and interest levels, and evidence to date supports our view that our new commercial model is the right strategic direction for AspenTech."

Fusco added, "We signed gross license bookings of approximately \$32.2 million in the quarter. While this represents a decline of over 20% compared to the prior year period, we believe the company executed well considering that we rolled out the new commercial model to our sales organization and customers in July, after our seasonally weakest quarter of the fiscal year had already begun. Moreover, we closed 5 license bookings that were greater than \$1 million and 25 that were between \$250,000 and \$1 million during the first quarter, both of which were comparable to the year ago period. The average deal size for license bookings over \$100,000, on a gross basis, increased year-over-year to approximately \$500,000. Looking ahead, our pipeline of opportunities is solid entering our seasonally stronger calendar year-end quarter, and total term contract value of over \$1 billion provides the company with long-term visibility."

The company's cash balance as of September 30, 2009, was approximately \$109 million, which compares to \$122 million at the end of the fourth quarter of fiscal 2009. The company did not sell any installments receivable to raise cash during the first quarter of fiscal 2010 and it continued to reduce its secured borrowings balance, which was down by approximately \$3 million from the end of the fourth quarter of fiscal 2009.

Company Files Fiscal 2009 Financial Statements

Mark Sullivan, Chief Financial Officer of AspenTech, said "With the filing of the company's 10-K for fiscal 2009, we are now turning our focus to completing the review of our first quarter results for fiscal 2010. Our goals are to complete this review around the end of this calendar year and, ultimately, to begin the process of seeking a relisting of our common stock on a major U.S. stock exchange during the first calendar quarter of 2010. There is still a considerable amount of work to be completed, but today's filings represent a significant step forward and are the result of improving execution from the company's finance organization."

Fiscal 2009 Financial Results

The following section provides summary level details of the company's fiscal 2009 financial results, in comparison to the company's financial results for fiscal 2008. Detailed financial results for the full fiscal year 2009 and the first, second and third fiscal quarters of fiscal 2009, along with comparisons to prior year periods, can be found in the company's Form 10-K and 10-Q filings made with the SEC today.

For fiscal year 2009, ended June 30, 2009, AspenTech reported total revenue of \$311.6 million, flat with \$311.6 million for fiscal 2008. Within total revenue, license revenue was \$179.6 million, an increase of 7% compared to fiscal 2008, while services revenue of \$132.0 million decreased 8% over the same time

CIMdata PLM Industry Summary

period. The year-over-year increase in license revenue was driven primarily by the timing of revenue recognition under GAAP as opposed to the level of actual business activity. By comparison, total fiscal 2009 license bookings decreased by over 15% compared to fiscal 2008.

During fiscal 2008, \$57.5 million of license bookings did not meet the criteria for revenue recognition as of the end of fiscal 2008, of which \$31.6 million was recognized during fiscal 2009. During fiscal 2009, license bookings of \$52.1 million did not meet criteria for revenue recognition as of the end of fiscal 2009. The level of license bookings in which revenue recognition was deferred during fiscal 2008 and 2009 represented a significant divergence from prior fiscal years. The company expects the revenue from the license bookings closed during fiscal 2008 and 2009 which were not recognized as revenue by the end of fiscal 2009 to be recognized over the remainder of the contract lives.

AspenTech's income from operations was \$43.9 million in fiscal 2009, representing an operating margin of 14% and an increase of 136% compared to \$18.6 million in fiscal 2008.

Net income was \$52.9 million for fiscal 2009, an increase of 112% compared to \$24.9 million for fiscal 2008. Net income applicable to common stockholders was \$0.57 per diluted share in fiscal 2009, an increase of 111% compared to \$0.27 per diluted share in fiscal 2008.

Balance Sheet and Cash Flow

The company's cash balance at the end of fiscal 2009 was approximately \$122.2 million, a decrease compared to approximately \$134.0 million at the end of fiscal 2008. Cash flow from operations was \$33.5 million during fiscal 2009, offset by cash used in investing activities of \$5.8 million and cash used in financing activities of \$38.4 million.

The company's secured borrowings balance at the end of fiscal 2009 was \$112.1 million, a reduction of \$35.1 million from \$147.2 million at the end of fiscal 2008. Total company-owned accounts and installments receivable balances were \$227.8 million at the end of fiscal 2009, an increase of \$6.6 million from \$221.2 million at the end of fiscal 2008.

The company's total deferred revenue balance at June 30, 2009, was \$78.9 million, a decrease compared to \$106.9 million at the end of fiscal 2008. While the company had a material amount of license bookings closed during fiscal 2009 that were not recognized as revenue during the fiscal year, unlike fiscal 2008, the majority of these license bookings were not recorded as receivables and deferred revenue on the company's year-end balance sheet.

Conference Call and Webcast

AspenTech will host a conference call and webcast today, November 9, at 8:30 a.m. (Eastern Time), to discuss the Company's selected preliminary financial results for the first quarter of fiscal 2010, as well as annual and quarterly financial results for fiscal 2009. The live dial-in number is (877) 245-0126, conference ID code 39756294. Interested parties may also listen to a live webcast of the call by logging on to the Investor Relations section of AspenTech's website, <http://www.aspentech.com/corporate/investor.cfm> and clicking on the "webcast" link. A replay of the call will be archived on AspenTech's website and will also be available via telephone at (800) 642-1687 or (706) 645-9291, conference ID code 39756294 through November 16, 2009.

 [Click here to return to Contents](#)

CIMdata PLM Industry Summary

AVEVA Interim Results for the Six Months Ended 30 September 2009

12 November 2009

AVEVA Group plc announced its unaudited results for the six months ended 30 September 2009.

Highlights

- Solid performance in the first half year focussing on our core strengths of supplying world class solutions and services to our customers in the Oil and Gas, Power and Marine markets
- Revenue of £69.9 million (2008 £74.8 million) in challenging market conditions
- Recurring revenue up 18% to £48.1 million (2008 £40.9 million) representing 69% (2008 55%) of total revenue
- Investment in Research and Development of £10.3 million (2008 £12.9 million)
- Restructuring programme now complete at a cost of £1.8 million and annualised savings of £5 million per annum
- Adjusted profit before tax of £26.6 million (2008 £31.0 million)*
- Profit before tax of £23.3 million (2008 £29.2 million)
- Adjusted basic earnings per share of 27.91 pence (2008 33.11 pence)*
- Basic earnings per share of 22.99 pence (2008 30.50 pence)
- Interim dividend increased by 5% to 3.00 pence (2008 2.86 pence)
- Strong cash generation with net cash and deposits at the period end of £133.9 million (2008 £101 million)

* Adjusted profit before tax and adjusted basic earnings per share are calculated before amortisation of intangible assets, sharebased payments and restructuring costs in the relevant year.

Commenting on the outlook, Chairman Nick Prest said :

"AVEVA has focused on its core strengths in the first half and delivered a solid performance against a backdrop of challenging economic conditions. Many of our customers remain cautious about the outlook with continuing uncertainty in some geographies and industries. However, we are successfully exploiting opportunities in developing countries where growth continues. The Board remains cautious on the outlook for 2010 but believes that the considerable investment made over the years in developing the product portfolio and sales infrastructure positions AVEVA well to trade successfully through this challenging environment."

Download the [full Interim Statement](#).

Download the [AVEVA Investor Presentation 12 Nov 2009](#).

 [Click here to return to Contents](#)

CENIT 3rd Quarter Result Confirms Solid Development

9 November 2009

CIMdata PLM Industry Summary

CENIT's results during the third quarter show that we have held our ground in an expectedly difficult business environment. With total sales of 63.4 m €, we have again claimed an increase over the previous year, in the order of 12 percent. For the first time, we were able to achieve significant income from software sales again. As a result, we were able to fulfil our expectations for the 3rd Quarter, a period characterized by short-time work in the auto industry and the summer holidays. We are continuing to follow a consistent enterprise policy aimed at sustainability, and in doing so take a careful approach to the challenges that lie ahead. As for our customers, we can in many instances discern resumed investment decisions for new, innovative products. It remains our foremost task to influence these decisions in our favour.

Overview of 3rd Quarter Figures

Group-wide sales again increased, attaining 63.4 m € (09/2008: 56,6 m € / 12%) at the end of the 3rd Quarter. The gross surplus amounted 43.5 m € (09/2008: 44.9 m € / -3%). EBITDA attained 2.8 m € (09/2008: 3.9 m € / -28%). EBIT during the reporting period amounted to 1.7 m € (09/2008: 2.8 m € / -39%). The pre-tax result (EBT) was 1.9 m € (09/2008: 3.3 m € / -41%). The consolidated result was 1.7 m € (09/2008: 2.6 m € / -32%). Consolidated EPS (earnings per share) thus derive to 0.21 € per share (09/2008: 0.31 € / -32%).

On 30 September 2009, equity capital totalled approx. 27.1 m € (31 December 2008: 25.4 m €), accounting for an equity ratio of 64% (31 December 2008: 64%). On the balance-sheet date, bank deposits and securities incl. current assets totalled 17.6 m € (31 December 2008: 13.2 m €). The enterprise remains debt-free. The operative cash flow amounted to 2.6 m € (30 September 2008: 4.5 m €). On the balance-sheet date, the number of employees was 705 (09/2008: 726). Orders in hand totalled 21.1 m € (9/2008: 26.2 m €) and incoming orders stood at 56.9 m €. (9/2008: 73.6 m €). In 2008, orders figures were heavily influenced by a single large order; for this reason, they cannot serve as a meaningful basis for comparison.

Breakdown of Earnings

Sales in the services sector grew by 9% to a current 40.2 m € (09/2008: 36.9 m €), making services the strongest contributor to sales with a share of 63%. Sales of CENIT software during the first 9 months of the current business year totalled 5.7 m € (09/2008: 6.3 m € / -9%). Sales of CENIT's proprietary software thus account for approx. 9% of total sales. Thanks in particular to the VAR model, the non-CENIT software business grew by 57% to 16.9 m € (09/2008: 10.8 m €), accounting for 27% of total sales. Other accrued income totals 0.5 m €.

Holdings - Foreign Subsidiaries

CENIT (Switzerland) AG achieved sales of 2.8 m € (09/2008: 3.7 m €), accounting for EBIT of 0.8 m € (09/2008: 2.1 m €).

With sales of 4.1 m € (09/2008: 4.9 m €), CENIT North America attained negative EBIT of -0.6 m € (09/2008: 0.2 m €).

Achieving sales of 0.4 m € (09/2008: 0.5 m €), CENIT SRL in Romania was able to post EBIT of 0.1 m € (09/2008: 0.1 m €).

The CENIT company in Toulouse, France realized sales of 0.3 m € (09/2008: 0.2 m €) and EBIT of 0.02 m € (09/2008: 0.02 m €).

The 3rd quarter result will be presented today by Fabian Rau on the German Equity Forum in Frankfurt.

 [Click here to return to Contents](#)

Cimatron's Third Quarter 2009 Results Release Scheduled for November 17th, 2009 After Markets Close

10 November 2009

Cimatron Limited announced that it will be releasing its third quarter 2009 financial results on Tuesday, November 17th, 2009, after the US markets close.

Cimatron's management will host a conference call on Wednesday, November 18th, at 9:00 EST, 16:00 Israel time. On the call, management will review and discuss the results, and will also be available to answer questions by investors.

To participate, please call one of the following teleconferencing numbers. Please begin placing your call at least 5 minutes before the conference call commences.

USA: +1-888-668-9141

International: +972-3-9180610

Israel: 03-9180610

For those unable to listen to the live call, a recording of the call will be available from the day after the call under the investor relations section of Cimatron's website, at: <http://www.cimatron.com>.

 [Click here to return to Contents](#)

Nemetschek Confirms Outlook for 2009

6 November 2009

- Nine-month figures presented / revenues fall by 11 percent
- EBITDA margin stable at 20 percent
- Cash flow from operating activities 18.1 million euros
- Expectations for 2009 confirmed

Nemetschek AG achieved revenues of 96.9 million euros in the first nine months of 2009. Revenues therefore fell by 11 percent compared to the strong same period of the previous year (109.0 million euros). However, the company was able to keep its operating margin (EBITDA) more or less stable at 20 percent. In the same period of the previous year, it was 21 percent. The EBITDA amounted to 18.9 million euros, compared to 22.7 million euros in the first nine months of 2008. The net income was 6.5 million euros, compared to 9.4 million euros in the previous year.

Revenues from maintenance contracts rose slightly

CIMdata PLM Industry Summary

Despite the difficult economic environment, the Nemetschek Group was able to increase revenues from maintenance contracts by two percent, from 45.3 million euros to 46.1 million euros. As a result, revenues from maintenance made up 48 percent of total revenues, compared to 42 percent in the same period of the previous year. Revenues from license sales, on the other hand, fell by 21 percent from 55.9 million euros to 44.0 million euros. Revenues from consulting and training dropped by 12 percent from 7.8 to 6.8 million euros.

In the German domestic market, the company saw revenues rise slightly, with 42.0 million euros following 41.3 million euros in the same period of the previous year. In the foreign markets, however, revenues fell from 67.7 million euros in 2008 to 54.9 million euros. The company's foreign revenue consequently fell from 62 percent of total revenues in 2008 to 57 percent.

Profitable segments

All four of the Group's segments were profitable in the first nine months of 2009. The companies in the Design segment, which are, in particular, responsible for the software solutions focusing on architecture and engineering, achieved revenues of 78.4 million euros, compared to 90.2 million euros in the previous year. This corresponds to a drop of 13 percent. The EBITDA margin was 17 percent, compared to 20 percent in the previous year.

In the Build business unit, which comprises the alphanumeric software products supporting the actual construction process, the companies were able to increase their revenues by 5 percent, from 9.3 million euros to 9.8 million euros, while the EBITDA margin rose to 34 percent (previous year: 27 percent).

The Manage segment, which develops solutions for commercial real estate management, achieved practically the same revenues as in 2008, namely 3.0 million euros. The EBITDA margin fell slightly from 19 to 16 percent.

After revenues totaling 6.3 million euros in the same period of the previous year, the Multimedia segment (3D software for visualization and animation) achieved 5.8 million euros in the first nine months of 2009. The EBITDA was 1.5 million euros, corresponding to an operating margin of 26 percent, compared to 30 percent in the previous year.

Costs reduced further

Thanks to strict cost management, Nemetschek was able to absorb the bulk of the drop in revenues. Overall, operating costs fell by 9 percent and the measures implemented to date will continue to positively affect the company results.

Compared to the second quarter 2009, personnel expenses fell by 6 percent. Other operating costs were reduced by 18 percent from 35.7 million euros to 29.3 million euros. This is due among other things to savings in advertising, sales expenditure and external personnel costs.

After depreciation of intangible assets from the purchase price allocation for Graphisoft and Scia of 5.3 million euros, the Group's operating profit (EBIT) was 11.7 million euros, compared to 15.2 million euros in the same period of the previous year. Net income amounted to 6.5 million euros (previous year: 9.4 million euros). The earnings per share (consolidated shares) were 0.65 euros, compared to 0.93 euros in the same period of the previous year.

Net debt reduced

In the first nine months of 2009, the company achieved cash flow from operating activities of 18.1 million euros, compared to 22.8 million euros in the previous year. The cash flow from financing

CIMdata PLM Industry Summary

activities amounted to -11.5 million euros (previous year: -24.8 million euros). The previous year's amount contained repayments of 14.8 million euros as well as paid dividends of 6.3 million euros. Until September 30, 2009 the Nemetschek Group had repaid loan debts of 9.6 million euros.

Compared to December 31, 2008, the Group's liquid assets increased by 3.5 million euros to 26.7 million euros. As a result, the Group's net debt is 13.0 million euros (December 31, 2008: 26.1 million euros). The equity capital totals 73.7 million euros, compared to 67.9 million euros on December 31, 2008 – the equity ratio is 46 percent.

Drop in number of employees

As of September 30, 2009, the Nemetschek Group employed 1,069 people; at the end of 2008 the company had 1,114 employees worldwide. In recent months, the number of employees fell primarily in the subsidiaries in the United States and Belgium.

Outlook confirmed

The construction industry is still feeling the effects of the global economic crisis. Following a predicted drop in revenues of almost 10 percent in 2009, the European industry association Euroconstruct also anticipates a fall in revenues of 2 percent for 2010. The industry in Germany is performing comparatively well: for Germany, the construction industry association HDB expects a fall in revenues of 3 percent for the current year. The relatively stable development here is due not least to the federal government's massive economic programs, which are slowly having an impact: investment in refurbishment and the preservation of existing buildings has risen considerably, for example.

The Nemetschek Group is also profiting from this. "With their solutions for energy-efficient construction and renovation, our subsidiaries are addressing exactly the right topics," states Ernst Homolka, CEO of Nemetschek AG. In view of this and Nemetschek's strong position in the domestic market, management confirmed its previous forecasts. According to these, the Group expects a fall in revenue of around 10 percent, but should be able to keep its operating margin (EBITDA) steady at around 20 percent.

 [Click here to return to Contents](#)

Synopsys Announces Earnings Release Date and Conference Call for Fourth Quarter and Fiscal Year 2009

12 November 2009

Synopsys, Inc. announced it will report results for the fourth quarter and fiscal year 2009 on Wednesday, Dec. 2, 2009, after the market close.

A conference call to review the results will begin at 2 p.m. PT (5 p.m. ET) and will be hosted by Aart de Geus, chairman and chief executive officer, and Brian Beattie, chief financial officer.

Financial and other statistical information to be discussed on this conference call will be available on the corporate website at <http://www.synopsys.com> immediately before the call. A live webcast will also be available on this site. Participants should access the live webcast at least 10 minutes prior to the start of the call. A webcast replay can be accessed on the corporate website beginning Wednesday, Dec. 2, 2009, at approximately 5:30 p.m. PT. The replay will remain available until Synopsys announces its first quarter fiscal year 2010 results in February 2010. In addition, a dial-up replay of the conference call will be available beginning Dec. 2, 2009 at 4:00 p.m. PT, ending on Dec. 16, 2009 at midnight. The replay

telephone number is USA (800) 475-6701, and International (320) 365-3844, Access Code: 122503.

 [Click here to return to Contents](#)

Implementation Investments

Cavalier Telephone Adopts Convergys' Smart BSS Solutions to Streamline Operations, Improve Customer Satisfaction, Lower Costs

10 November 2009

[Convergys Corporation](#), a global leader in relationship management, announced that [Cavalier Telephone](#), a full-service provider of reliable and efficient telecommunications solutions for business, consumer, and government customers, has signed a license agreement for Convergys' [Smart BSS Solutions](#). Convergys will also provide Cavalier with [consulting services](#) as part of this agreement.

Convergys will implement its [Product Control Manager Smart App](#), a centralized product catalog and product lifecycle management solution, for Cavalier in the first quarter of 2010. Convergys' solution will help Cavalier, which serves hundreds of thousands of telecommunications customers throughout the eastern United States, automate the management of its products throughout the entire product lifecycle, rapidly launch new offers, and streamline the ordering and fulfillment of products.

“With Convergys' Product Control Manager, we will now have a consolidated view of all our product data, which will allow improved order administration and lifecycle management, enabling Cavalier to achieve better service delivery timeframes and an overall improved customer experience,” said Rick Gambriel, CIO, Cavalier.

“Systematic product data management supporting ordering and fulfillment is a must-have for communications providers facing increased competition and customer expectations,” said Bob Lento, President, Information Management, for Convergys. “Convergys' Product Control Manager Smart App will help Cavalier dramatically shorten its time to market for new convergent offers and help drive significantly improved customer satisfaction, while also helping to reduce the costs associated with supporting a highly complex product portfolio.”

Convergys Smart BSS Solutions deliver support of convergent services leveraging real-time marketing innovation, minimizing risk, reducing operational costs, and generating revenue in order for our clients to focus on building valuable relationships with their customers. Convergys supports six of FORTUNE's Top 10 communications companies.

About Convergys

Convergys Corporation (NYSE: CVG) is a global leader in relationship management. For more information, visit www.convergys.com

 [Click here to return to Contents](#)

Delcam's CAD/CAM Software Selected by China's Sports Footwear Leader

11 November 2009

CIMdata PLM Industry Summary

ANTA, China's largest manufacturer of sports footwear for the country's domestic market, has selected a range of Delcam Crispin footwear design and manufacturing software to meet its future product development needs. The software will replace a mixture of design, costing and manufacturing systems installed currently at the company's various design and manufacturing centres around the country.

While China is best known as the manufacturing base for most international footwear brands, there is also a large industry supplying the country's own population. The leading supplier in this market is ANTA, a multi-million £ turnover company with over 5,000 retail outlets in China. With a business divided almost equally between sports footwear and clothing, ANTA is already one of the leading brands in the country. It has ambitions to become one of the top ten international sportswear brands in terms of global revenue.

These ambitions were firmly in place when ANTA established the first domestic "Sports Science Laboratory" in China in 2005. This included advanced testing equipment and evaluation systems to aid the design of distinctive products for both professional athletes and the general public. However, a critical limitation was the time taken to convert these new designs into finished products.

Most of the design work was created on 2D systems like Photoshop and CorelDraw at centres in Xiaman, Beijing and Guangzhou. The majority of the patterns and the grading of the different sizes were then undertaken using several local systems at the manufacturing centre in Fujian and at more than ten main sub-contractors in different areas of China. All costings were carried out manually at the different sites. It was clear that ANTA required a united and effective development platform to consolidate its resources nationwide, to replace the use of incompatible software programs, and to overcome the wide geographic spread of design and manufacturing. The replacement system would have to give better communication between the different departments, shorten the development cycle and speed the introduction of new styles to the market.

The first contact between ANTA and Delcam came in 2006, when the company needed a foot scanner to develop customised shoes for the players it sponsored in the China Basketball Association. During their discussions, ANTA realised the technical challenges it faced, especially the large gap at that time between Chinese manufacturing practice and international standards.

Although the design departments began experimenting with the Delcam software soon afterwards, negotiating an agreement for the whole company took much longer, as might be expected with such a large organisation. An important change during the process was the acquisition of Crispin by Delcam to form the world's leading supplier of software to the footwear industry. As a major company itself, ANTA realised the benefits of dealing with the market leader in its industry. Furthermore, the combination of the two companies' ranges of software meant that ANTA could cover all its requirements for 3D design, 2D engineering, grading, cost accounting, mouldmaking and cutting, from a single source. Clearly, this would help overcome the previous difficulties resulting from using a mixture of incompatible software from different suppliers.

Another important benefit was that Delcam China could provide local training and support at all of ANTA's main sites from its strong technical team. Furthermore, Delcam China's established relationships with many universities and colleges in China could guarantee the company a continuous supply of apprentices experienced in using the software.

For further information on the [Delcam](#) Crispin range of software for the footwear industry, please

 [Click here to return to Contents](#)

CIMdata PLM Industry Summary

Imaginestics and CCAT to Create an Online Defense Supply Chain Network

10 November 2009

Imaginestics announced its collaboration with the Connecticut Center for Advanced Technology (CCAT) in developing the Supply Chain Manufacturing Network (SCMN), an online network for suppliers to the aerospace and defense sector. SCMN will leverage Imaginestics' online industrial networking platform, [VizSpace](#), to allow manufacturers in Connecticut to better connect to opportunities from air logistics depots. SCMN will allow the internal shops within the air logistics depots to connect via their VizSpace to search for parts and capabilities in SCMN's network of small- and medium-sized manufacturers.

CCAT is a nonprofit corporation that offers services to businesses to help improve their efficiency and workforce development to make them more competitive in an increasingly technology-driven environment. CCAT serves a wide range of companies, but one of their missions is to address the needs of the civilian and military industrial manufacturing sectors by using technology to solve the problems particular to those companies.

As armed conflicts abroad continue, the defense and aerospace sectors have an increasing need for manufacturing support in the U.S. in the form of supply replenishment and equipment replacement and repair. The task of matching appropriate manufacturing companies to these defense opportunities often falls to organizations such as CCAT, to assist machine shops and manufacturers that are equipped to handle the unique requirements and capabilities of making parts for the military.

The network being developed by Imaginestics uses VizSpace as the platform to create a private online community in which the CCAT member manufacturers create individual VizSpaces to define their capabilities and profile information. Defense entities can then use Imaginestics' patented shape search technology, VizSeek, to match their unique part manufacturing or repair requirements to a manufacturer that can meet their needs. In turn, manufacturing companies will be able receive notification of opportunities that match their capabilities from the air logistics depots, as inquiries are made.

The pilot project for this collaboration has been launched with the goal of reducing total cost of ownership of a part for the air logistics depot, which includes reduction in process time and part costs. Bob Torrani, Director of CCAT's Manufacturing and Supply Chain Initiative, feels that this goal is "well within reach, given the difficulty that these entities face in working with such complex and hard-to-find parts and materials."

He continues, "Our SCMN will give small manufacturers with limited marketing opportunities a chance to define their own capabilities and market themselves in a place where they can be certain that defense customers will be able to find them. SCMN will also bring appropriate opportunities directly to these manufacturers, saving them the time of sifting through an increasingly large database of opportunities by giving them the tools to be proactive."

The network is scheduled to be online in January of 2010 with an initial group of 10 manufacturers and five internal machining shops from a participating air logistics depot.

Nainesh Rathod, CEO of Imaginestics is confident that the VizSpace network will prove to be "an invaluable tool to the both the defense industry and the U.S. manufacturing community. We specialize in translating customer requirements into supplier capabilities, which increases visibility and communication on both sides and results in time and product cost savings. We are particularly excited about this project, where we have the potential to greatly increase the readiness of our U.S. military by

CIMdata PLM Industry Summary

giving our manufacturing community the tools to respond to their needs in a timely and effective manner.”

About CCAT

The Connecticut Center for Advanced Technology, Inc. helps private and public entities to apply innovative tools and practices to increase efficiency, improve workforce development and boost competitiveness. CCAT functions as an economic development organization that combines expertise in cutting-edge technology with specialized centers of excellence in manufacturing, education, training, energy, and entrepreneurialism. Throughout these efforts, they promote partnership between industry, academia, and government to create a new collaborative framework for addressing 21st-century economic challenges.

 [Click here to return to Contents](#)

SolidWorks Helps TiLite Wheelchairs Save \$400,000 a Year

9 November 2009

The maker of the world’s highest-performing wheelchairs has also brought exceptional efficiency to its design studio and shop floor, using [SolidWorks®](#) CAD software to save an estimated \$400,000 per year over traditional methods.

[TiLite](#), of Kennewick, Wash., automates the design of its custom titanium wheelchairs using SolidWorks, [CAMWorks®](#) CAM software, and specialization in the assembly stage. These measures produce superior-performing chairs fitted to each client as snugly as a knee brace.

“Without [SolidWorks](#) we wouldn’t have achieved the success we have,” said TiLite Vice President of Engineering Alan Ludovici. “We save about \$400,000 a year by automating our designs, documentation, and part creation instead of paying 100 skilled craftsmen to draw designs up from scratch and cut every tube.”

TiLite makes wheelchairs for everyday use and sports like basketball and tennis. Most have titanium frames, making them lighter, faster, and easier to propel than twice-as-heavy steel chairs. Performance is as vital to everyday users as it is to athletes, since propelling a chair inevitably wears down shoulder, elbow, and wrist joints.

Highly trained TiLite sales consultants configure wheelchair specifications based on each client’s size, shape, weight, disability profile, activity patterns, and taste. SolidWorks automatically produces custom chair and manufacturing drawings. The data is fed into CAMWorks, a SolidWorks Certified Gold partner product, which helps automate cut lengths of titanium tubing. TiLite delivers chairs within two weeks but can turn one around in a day if necessary. According to Ludovici, It would take twice as long without design automation.

“We’re like the shops that make high-end motorcycles to order,” Ludovici said. “The difference, however, is that every chair is completely documented as a SolidWorks model, meaning if it’s lost or stolen, we can clone you a new one in a couple of days. SolidWorks documentation also enables us to be FDA-compliant in our custom work, which is a rarity in the industry.”

TiLite uses SolidWorks Simulation Professional software to help make TiLite chairs safer, lighter, and more affordable. For example, Ludovici’s team recently discovered aluminum footrests were prone to overheating and developing sharp edges. The team virtually prototyped injection-molded composite

replacements, validated the design with the help of SolidWorks Simulation, and saved \$11 per chair in materials costs.

Elite wheelchair tennis player Ronald Vink of the Netherlands used a TiLite to reach the doubles finals at September's US Open and win two Wimbledons previously. "I need to get to the ball fast, stop on a dime, then chase down the next ball," he said. "TiLites are the quickest, most comfortable, and most agile chairs I've ever used. I definitely have the edge."

TiLite relies on authorized SolidWorks reseller Quest Integration for ongoing software training, implementation, and support.

 [Click here to return to Contents](#)

Tesla Model-S: STAR-CCM+ Helps to Design "World's Sexiest Electric Car"

27 October 2009

CD-adapco announced that the Tesla Model-S, officially the "World's Sexiest Electric Car", is designed with the aid of the STAR-CCM+ Engineering Simulation tool. Tesla Motors will be participating in a Round Table Discussion at the STAR Global Transportation Forum in Detroit MI, December 8-9, 2009.

In 2008, when Tesla decided to bring the aerodynamics development and thermal engineering of its new Model-S sedan in-house, chose STAR-CCM+ Engineering Simulation Software to help address a broad range of electric vehicle engineering challenges quickly and accurately

With a range up to 300 miles, the Model S Sedan (which is due to hit the streets in 2011) can carry five adults in quiet, stylish comfort and can be charged from any electrical outlet, without ever stopping for gas. Compared to competitors whose typical range comes up to 60 miles, this represents a huge advantage. Recharging batteries on Tesla cars is as simple as recharging a cellular phone – it takes about 3.5 hours for full recharge. Additional features like regenerative braking – which recovers and stores the energy usually lost when the car slows down – extends the charge even further, delivering higher miles-per-charge on in-town driving. All these features enabled Tesla cars to run as inexpensive as 1 US cent per mile.

All of this is delivered without compromise to performance; its peak torque starts at 0 RPM and stays powerful at 14,000 RPM. This is exactly opposite of the experience with gasoline engine which has very little torque at low RPM and only reaches peak torque in a narrow range of RPM. The nearly constant torque of Tesla cars result in great acceleration with highest energy efficiency at the same time.

To achieve this exceptional performance, every aspect of the Model-S is analyzed to conserve energy. STAR-CCM+ provides Tesla Motors with a single tool to simulate and evaluate all of the aero-thermal components and interactions to optimize range performance and minimize vehicle energy consumption.

STAR-CCM+ is deployed among several groups at Tesla Motors including Aerodynamics, HVAC Systems and Power-train Engineering. A key to its successful deployment is the ability to go from CAD model to CFD solution within one tool, allowing expertise in CAD correction, computational mesh generation and physics modeling to develop within a single platform across a broad range of users. Within STAR-CCM+ it's a straight forward process to add, remove or modify geometry and physics models, allowing engineers to see the results of modifications on quantities like drag, lift, pressure loss, temperature and mass flow.

Tesla Motors will be participating in a Round Table Discussion at the [STAR Global Transportation](#)

CIMdata PLM Industry Summary

Forum in Detroit MI, December 8-9, 2009, the theme of which is “Alternative Transportation and Electric Vehicle Technology Advancements”

A longer version of this article will appear in CD-adapco’s Aerodynamics and Vehicle Thermal Management Special Report, due for publication in December 2009. [Click here to pre-order a complimentary copy.](#)

Tesla motors are [now taking reservations for the Model-S.](#)

 [Click here to return to Contents](#)

Yunique Solutions is Recognized as Exceptional Partner by The Bon-Ton Stores, Inc.

7 November 2009

Yunique Solutions Inc. (<http://www.yunique.com>) was presented an Exceptional Partnership Award at The Bon-Ton Stores 2009 Strategic Vendor Meetings held at the Pfister Hotel in Milwaukee, Wisconsin on October 6-8. Yunique was recognized for its role in preparing for implementation of the plmOn™ product lifecycle management (PLM) software solution at the retailer’s private brand offices in Milwaukee.

During the three-day annual private brand vendor conference, Yunique briefed Bon-Ton product suppliers on the next phase of the implementation which will provide online product collaboration with the retailers’ vendor community. Bon-Ton will interact with its vendor partners through Yunique’s srmOn™ supplier relationship management (SRM) software. This fully integrated software provides agents, vendors and factories with clear and real-time visibility into shared product, material, and sample tracking information and offers web-based tools for managing tech packs, fabric/color approvals, sampling, request for quotes and bids, process tracking, costing, activity and issue management, calendaring and other supply chain activities.

 [Click here to return to Contents](#)

Product News

AEC Design Group Releases CADPIPE v 10.1

5 November 2009

AEC Design Group has released CADPIPE 10.1 which incorporates many new features for most products.

“The release contains many significant new features that our customers can use to enhance their performance, saving time and money,” said Paul Hutchins, general manager. “We work hard to include as many new features as possible with every release, ensuring that our customers remain leaders in their industries.”

If you haven’t upgraded to CADPIPE v10.1 please visit <http://www.cadpipe.com> to download it.

CADPIPE 10.1 is compatible with AutoCAD 2007-2010 (32 & 64bit), AutoCAD ADT2007-2009, AutoCAD Architecture 2010, & AutoCAD MEP 2007-2010

About AEC Design Group

CIMdata PLM Industry Summary

AEC Design Group develops and distributes AutoCAD-based software products (CADPIPE) for the Process Piping, Commercial Piping, HVAC, Electrical and steel construction industries. They also developed ArtrA, a BIM solution that links 3D CAD models, design data, and documentation.

For more information, please visit <http://www.cadpipe.com>.

 [Click here to return to Contents](#)

ANSYS Releases Engineering Knowledge Manager 2.0 for Simulation Data Capture, Reuse and Best Practices

11 November 2009

ANSYS, Inc. announced the release of ANSYS® Engineering Knowledge Manager™ (ANSYS® EKM™) 2.0, a product focused on simulation process and data management (SPDM). The solution set addresses some real-world challenges that engineers face, such as how to better manage, share and reuse simulation data as well as how to capture the engineering expertise that a simulation result represents. ANSYS EKM 2.0 offers a number of significant enhancements that simplify and speed up work, especially for remote teams that hand off data to each other as part of collaborative design. By managing simulation data and processes using ANSYS EKM technology, companies can more effectively leverage the full power of simulation along with the tremendous expertise of the analysts and engineers who contribute to the process. The ultimate result is shortened time to market and protection of valuable intellectual property.

ANSYS EKM software is a web-based solution with extensive capabilities for archival and management of simulation data, traceability and audit trail, advanced search and retrieval, report generation and simulation comparison, process/workflow automation, collaboration tools, and capture and deployment of best practices. Release 2.0 enhancements allow for smarter and faster file transfer between remote locations and the ability to run simulation jobs remotely using job submission systems, such as RSM, LSF, SGE and compute clusters. A new addition to the suite is ANSYS EKM Studio, an intuitive graphical system for quickly and easily defining simulation workflows that can be used for dynamic engineering simulation collaboration. ANSYS EKM 2.0 also offers a new scripting interface that enables the creating and publishing of custom applications templates that can then be accessed by users over the internet. This enables the capturing of simulation expertise for deployment throughout the engineering organization.

“Managing product data is a specialized subset of the broader product lifecycle management (PLM) vision, and it presents a whole new set of challenges to organizations that engineer products,” said Michael Engelman, vice president, business development, ANSYS, Inc. “Engineers are interested in spending less time handling data and more time focusing on true product development efforts. As companies look for increased productivity in all aspects of their simulation activities, they start asking ‘How do we better manage and share the voluminous simulation data that is being generated? How do we better capture the engineering expertise that the simulation results represent?’ ANSYS EKM software helps organizations get the right data to the right person at the right time. This is a process that is now essential to successful product/process development in today’s global competitive environment.”

The ANSYS EKM portfolio is a scalable solution including Desktop, Workgroup and Enterprise versions designed to meet these varying needs and differing levels of deployment while providing a growth path from the desktop to the enterprise. Release 2.0 also offers improvements including automated metadata extraction and report generation for use with other CAE formats, tighter integration

CIMdata PLM Industry Summary

with ANSYS® Workbench™ project files for performing what-if studies, extended change configuration with branching and versioning, and a new analysis project type that allows users to easily track input and result dependencies for simulation files. The software is tightly integrated with other products in the broad [ANSYS](#) multiphysics suite.

 [Click here to return to Contents](#)

Autodesk Green Building Studio Adds More Than a Million Global Weather Locations

10 November 2009

[Autodesk, Inc.](#) has announced that its [Autodesk Green Building Studio](#) web-based service now provides more recently documented hourly weather data for 1.6 million virtual weather locations around the world. The previous version of the Autodesk Green Building Studio service supported 55,000 locations of weather data for North America and Northern Europe. The new version adds virtual weather locations for Central and Southern Europe, Australia, New Zealand, India, China, Japan, Philippines and South Korea.

Green Building Studio is an online software-as-a-service (SaaS) application, which is also available to subscribers of [Autodesk Ecotect Analysis 2010](#) software during the term of their Subscription. The web-based service helps architects and designers working within a building information modeling ([BIM](#)) process to perform whole-building energy and water analysis, optimize efficiency and work toward carbon neutrality earlier in the design process. With faster, more accurate performance analysis of building design proposals, architects and designers can evaluate sustainability earlier in the process and build more energy-efficient buildings.

The previous version of the Autodesk Green Building Studio service supported weather locations mainly based on large airport sites. The 1.6 million virtual weather locations now supported by the service are located no more than 8.8 miles (14 km) from any given project location covered by the new data set. The new virtual weather locations were developed using weather data from a variety of government and other public sources, such as airports, ocean or river buoys, and aircraft and satellite readings. An observations-based physics model ([mesoscale meteorological model](#)) was then generated for each region.

“As the largest green builder in the United States, we are firmly committed to supporting our clients’ sustainability goals,” said James P. Barrett, national director, virtual design and construction for [Turner Construction Company](#). “The use of Autodesk Ecotect and Green Building Studio, particularly during the preconstruction phase when detailed building performance analysis and evaluation are critical, enhances our ability to successfully deliver a green building to our clients. The increase in virtual weather location data enhances our whole-building energy analysis for our clients on new or renovation projects. It helps us better project not only initial costs, but also lifecycle costs for a more comprehensive view of a facility’s total cost of ownership.”

Availability

Access to the 1.6 million virtual weather location data set is available now to subscribers of Autodesk Ecotect Analysis 2010 during the term of their Subscription.

 [Click here to return to Contents](#)

CIMdata PLM Industry Summary

Autodesk Licenses ISOGEN® Technology from Intergraph

11 November 2009

[Autodesk, Inc.](#) announced it has entered into a long-term OEM licensing agreement with Intergraph® to embed [Intergraph ISOGEN®](#) technology in Autodesk's AutoCAD® Plant 3D 2010 product.

“[Intergraph](#) ISOGEN technology will enable our AutoCAD Plant 3D customers to more easily and efficiently generate isometrics and fabrication drawings from their 3D models. We are pleased to work with Intergraph to make this proven technology available to Autodesk customers,” said Mark Strassman, vice president, Plant Solutions, AEC, Autodesk.

“We are pleased to work with Autodesk to provide the leading isometrics software application to its customers,” said Patrick Holcomb, executive vice president of Intergraph's Process, Power and Marine division. “As Intergraph ISOGEN technology is open and interoperable, Autodesk and other Intergraph ISOGEN customers and partners will be able to more easily share information – a win-win for the industry.”

Under the agreement, Autodesk will provide front-line customer support for Intergraph ISOGEN as is needed by end-users of AutoCAD Plant 3D 2010.

About AutoCAD Plant 3D 2010

Built on the familiar AutoCAD® platform, AutoCAD Plant 3D features specification-driven design and standard parts catalogs to help streamline the placement of piping, equipment, and support structures. Also included in the product is integrated AutoCAD® P&ID functionality and quicker generation of isometric and orthographic drawings. The new product joins AutoCAD®, AutoCAD® P&ID, and Autodesk® Navisworks® software products in a line-up of Autodesk products built specifically for the plant design and engineering industry.

 [Click here to return to Contents](#)

Be Careers Network Expands Academic SELECT Portfolio to Include Energy Performance Series for 'Green' Building Design

12 November 2009

Bentley Systems, Incorporated announced that Be Careers Network has expanded its Academic SELECT Subscription portfolio to include Bentley's Energy Performance Series. This software for building energy design, analysis, and simulation is used by engineers, architects, and energy assessors to better understand and accurately predict the energy consumption, CO₂ emissions, operating costs, and occupant comfort of a wide range of building projects – from small and simple to very large and highly complex. Bentley's Energy Performance Series has been proven in the very demanding U.K. market for the design and construction of high performance “green” buildings and also supports U.S. and Canadian standards. Students at schools with Bentley Academic SELECT Subscriptions can now gain in-depth knowledge of and hands-on experience with this robust software as they prepare for careers in the engineering and architectural disciplines.

Scott Lofgren, global director, Be Careers Network, said, “By making Bentley's Energy Performance Series software available to our Academic SELECT subscribers, we are helping prepare students for the challenges they will face and opportunities that will be presented to them once they launch their careers in the infrastructure professions. This advanced technology will enable them to one day design,

CIMdata PLM Industry Summary

construct, and operate better-performing, more sustainable buildings. At the same time, by enabling students to improve their technology skills, we are providing them with a distinct competitive advantage in the workplace.”

The Energy Performance Series offerings in Bentley’s Academic SELECT Subscription portfolio include:

- [Bentley Tas Simulator V8i](#)
- [Hevacomp Simulator V8i](#) (U.S. and Canadian standards)
- [Hevacomp Simulator V8i](#) (U.K. and Irish standards)
- [Hevacomp Mechanical Designer V8i](#) (U.S. and Canadian standards)
- [Hevacomp Mechanical Designer V8i](#) (U.K. and Irish standards)

The Bentley Tas Simulator V8i high-speed simulation engine is ideally suited for fast evaluation of multiple options, quick testing of concepts, and comprehensive energy analysis of large and complex buildings. Bentley’s Hevacomp Simulator V8i software takes full advantage of the U.S. Department of Energy’s industry-standard EnergyPlus simulation engine to provide highly accurate building energy analysis and design. Bentley’s Hevacomp Mechanical Designer V8i is an indispensable, quick-and-easy design and analysis tool used to make engineering-quality building load and energy calculations, lay out systems, select equipment, and resize duct and pipe systems.

For additional information about Bentley’s Energy Performance Series, visit www.bentley.com/eps.

About the Be Careers Network

The mission of the Be Careers Network is to sustain the infrastructure professions by helping students graduate with market-ready technology skills. It provides programs for students, teachers, and schools, including software licenses, training, scholarships, and professional networking capabilities. For more information about the Be Careers Network, go to www.becareers.org or send an e-mail to becareers@bentley.com.

 [Click here to return to Contents](#)

Bentley’s Hevacomp Simulator V8i Automates Baseline Comparisons for LEED Reporting Requirements

11 November 2009

Bentley Systems, Incorporated announced that its [Hevacomp Simulator V8i](#) building energy simulation software, which takes full advantage of the U.S. Department of Energy’s EnergyPlus simulation engine, now automates ASHRAE baseline comparisons of building designs to determine LEED certification requirements. These automated comparisons against a baseline building in the same geometric orientation with ASHRAE-defined construction types, for items such as walls, windows, roofs, and slabs, will save engineers and architects hundreds of design hours on a typical project.

[Hevacomp Simulator V8i](#) enables designers to calculate percentage performance improvements for designs incorporating construction types that outperform minimum default values. The software compares the actual design to a comparative baseline building by averaging the results of four baseline

CIMdata PLM Industry Summary

simulation orientations. It then compares those results with the design building simulation run to determine eligible energy-efficiency credit points, in areas such as building fabric, lighting, and equipment, for use in the project's LEED certification application.

“Manually calculating ASHRAE baseline comparisons to determine increased energy performance is an extremely time-consuming endeavor, often adding days or even weeks to the advancement of the design,” said Noah Eckhouse, Bentley vice president, Building Performance Group. “The ability of Hevacomp Simulator V8i to automatically rotate the baseline in three 90-degree increments to average baseline simulation runs helps users deliver their projects quickly and profitably.”

[Hevacomp Simulator V8i](#), along with [Hevacomp Mechanical Designer V8i](#) and [Bentley Tas Simulator V8i](#), is part of Bentley's Energy Performance Series. This robust software for building energy design, analysis, and simulation makes it possible for engineers, architects, and energy assessors to better understand and accurately predict the energy consumption, CO₂ emissions, operating costs, and occupant comfort of projects ranging from small and simple to very large and highly complex. Bentley's Energy Performance Series has been proven in the very demanding U.K. market for the design and construction of high performance “green” buildings and now supports United States and Canadian standards.

For additional information about Bentley's Hevacomp Simulator V8i and Energy Performance Series, visit www.bentley.com/green.

 [Click here to return to Contents](#)

Bentley's Hevacomp Software for Building Energy Design, Analysis, and Simulation Leverages gbXML

11 November 2009

Bentley Systems, Incorporated announced that it has added Green Building XML (gbXML) 0.37 schema support to its [Hevacomp](#) products for building energy design, analysis, and simulation. The Hevacomp software joins a growing number of gbXML-enabled Bentley products, which also include [Bentley Architecture V8i](#), [Bentley Building Mechanical Systems V8i](#), [Bentley speedikon Architectural V8i](#), and [Bentley Tas Simulator V8i](#). The latest gbXML schema promotes the design of better-performing, more resource-efficient buildings by providing interoperability among gbXML-enabled Building Information Models (BIMs) and engineering analysis tools. These tools now include [Bentley's Hevacomp Simulator V8i](#) – which takes full advantage of the U.S. Department of Energy's industry-standard EnergyPlus simulation engine to provide highly accurate building energy analysis and design – and [Hevacomp Mechanical Designer V8i](#). This additional capability enables engineers, architects, and energy assessors to automatically share the models they create in gbXML-enabled BIM applications with Hevacomp Mechanical Designer and Hevacomp Simulator for analysis. The data exchange is seamless and enables energy analyses that empower project teams to accurately design and reliably predict building energy consumption, CO₂ emissions, operating costs, and occupant comfort.

As John Crosby, Bentley product manager, Building Performance Group, explained, “This newest enhancement to our Hevacomp product line not only brings tremendous efficiencies to project teams, but it also enables them to increase the energy performance of the buildings being designed and constructed. When architects and engineers create 3D models using gbXML-enabled BIM applications, all zones, spaces, surfaces, and energy data associated with the model can be automatically identified and shared with the energy analysis tools in our Hevacomp applications. Through this streamlined data exchange, as designs are refined and multiple ‘what-if’ scenarios are evaluated, all of the engineers,

CIMdata PLM Industry Summary

architects, and energy assessors on the team are provided with a clear understanding of the energy implications of changes made and options available to them.”

Among the key features and benefits of Bentley’s gbXML-enabled Hevacomp products are:

- Automatic reuse of BIM information in energy analysis applications to allow for a seamless workflow among architects, mechanical engineers, and designers without requiring extra steps to redefine spaces and settings,
- Validation of the gbXML file to verify the accuracy and completeness of the data contained within it,
- The ability to import construction types, such as wall assemblies, glazing types, and roofs, and automatically add them to the BIM propagated in Hevacomp, reducing translation errors and saving time,
- The ability to make global changes to a project and examine design alternatives,
- Additional tools to facilitate third-party certification by the Leadership in Energy and Environmental Design (LEED) Green Building Rating System.

Noah Eckhouse, Bentley vice president, Building Performance Group, said, “Bentley’s additional support of gbXML in our Hevacomp products further extends our long-standing commitment to interoperability and iterative design processes. We first introduced gbXML support in our BIM applications in 2007 in recognition that adoption of this schema enhances collaboration, increases productivity, and, ultimately, will help the infrastructure community at large meet global demand for new, improved, more sustainable infrastructure.”

Hevacomp Simulator V8i and Hevacomp Mechanical Designer V8i, along with Bentley Tas Simulator V8i, are part of Bentley’s Energy Performance Series. This software for building energy design, analysis, and simulation makes it possible for engineers, architects, and energy assessors to better understand and accurately predict the energy consumption, CO₂ emissions, operating costs, and occupant comfort of projects ranging from small and simple to very large and highly complex. Bentley’s Energy Performance Series has been proven in the very demanding U.K. market for the design and construction of high performance “green” buildings and now supports U.S. and Canadian standards.

For additional information about Bentley’s Energy Performance Series, visit www.bentley.com/eps.

About gbXML

The Green Building XML schema, referred to as “gbXML,” was developed to facilitate the transfer of building information stored in CAD building information models, enabling integrated interoperability between building design models and a wide variety of engineering analysis tools and models available today. For additional information, visit www.gbxml.org.

 [Click here to return to Contents](#)

CADSTAR from Zuken Gets a Makeover in Version 12.0

12 November 2009

The latest version of [CADSTAR](#) from Zuken features a makeover for ease of use, along with new technology for design reuse and managing obsolescence.

CIMdata PLM Industry Summary

For migrating users, [version 12.0](#) also helps to protect and retain historical IP with the addition of a comprehensive integrated migration tool supporting competitive design data.

"Version 12.0 of CADSTAR reinforces the tools user-friendliness and advances the technology – for which it is renowned. By adding major features to overcome time-to-market issues for designers and engineers alike, the CADSTAR development team has brought CADSTAR to a new age," said Jeroen Leinders CADSTAR distribution manager.

"CADSTAR 12.0 sees the start of a massive makeover which will take place over the next few years to widen the appeal and usability for both infrequent and regular users. By incorporating more advanced Microsoft Windows compliant GUIs including dockable windows and tabbed design windows, users will be able to set CADSTAR up more quickly and easily than ever before," stated Leinders.

The initial phase of this makeover implemented in version 12.0 includes a 'start page' created to help users organize their workflow, by displaying customer set preferences including recent workspaces and design files, "getting started" training files, plus online links for support, news and events. The customizable capabilities of this new GUI provide personal screen viewing preferences and for the more novice user, a schematic start-up wizard has been added that leads them, step-by-step, through the design set-up process.

Significant enhancements have been added that make the reuse of tried and tested design data a smoother and more efficient process. Reuse blocks can be defined by saving sections from an existing schematic or PCB design, then these blocks can then be included and reused in new designs, increasing product quality and reducing overall design cycle time.

For the first time, users can carry out design migration from directly within CADSTAR, without the requirement for any additional add-on tools. This 'one-click' migration option allows users to use design data from competitive design data within CADSTAR, without losing valuable library and design information. The CADSTAR design migration tool enables organizations to transition to this more advanced PCB design environment while protecting historical investment and IP for future reuse and reference.

Managing out of stock or obsolete components can be very time consuming and costly. With the new Parts Acceptance Attribute users will automatically be notified when a component has become obsolete. When reloading a design from the library, information will be provided stating which component is to be replaced, with a suggested alternative part.

The enhanced viewing of attribute data is now possible with a single dialog that can be customized to display specific reports, which can then be imported into Microsoft Excel.

CADSTAR 12.0 will be available at the end of November 2009.

Visit www.zuken.com/cadstar12 for more information



[Click here to return to Contents](#)

EMC My Documentum Family Delivers the Power of Enterprise Content Management to Every Business User

10 November 2009

EMC® Corporation announced EMC My Documentum®, a family of products that allows everyone in the organization to utilize EMC Documentum enterprise content management (ECM) functionalities

CIMdata PLM Industry Summary

directly from common desktop applications and familiar interfaces. With the My Documentum family, all business-critical information is accessible, controlled and archived for governance and compliance requirements without the user having to leave their everyday application.

Today's business users expect 24/7 access to information however, they do not want to waste time navigating multiple applications or learning a new tool. By providing integrations to common applications such as Microsoft Outlook, Microsoft Windows Explorer and Microsoft SharePoint, the My Documentum family extends sophisticated ECM capabilities to every desktop enabling IT organizations to advance knowledge worker adoption and further increase the return on investments of their Documentum solution.

EMC My Documentum Family

EMC My Documentum for Outlook allows users to fully leverage Outlook's native user interface features, menus and toolbars to file, store, find and manage critical e-mails and attachments in the Documentum repository. The newest release of My Documentum for Outlook provides:

Deeper integration with Outlook menus, toolbars and search and folder structures to reduce the user's learning curve. Users can simply drag and drop e-mails and attachments into repository folders and then apply properties, permissions, versions and locations directly from the Outlook interface.

Usability improvements such as support for Outlook rules to automatically import content and a one-step send-and-save operation.

Offline access to the repository and automatic synchronization of changes once reconnected to the repository.

EMC My Documentum for SharePoint provides users with seamless, direct access to content that are being managed within a Documentum repository through the SharePoint user interface. Customers can easily configure their SharePoint experience to expose Documentum-specific functionality for virtual documents, lifecycles and renditions as well as leverage advanced search capabilities for Documentum libraries.

EMC My Documentum for Desktop allows users to access, save, share and secure content in the Documentum repository through Windows Explorer, Apple Macintosh Finder and Microsoft Office programs. The newest release of My Documentum for Desktop provides increased performance and scalability.

EMC My Documentum Offline is a new lightweight client that allows mobile workers access to the latest versions of content they use most often while disconnected from the Documentum repository. Content may be edited, added, deleted and subscribed while offline and will automatically synchronize upon reconnecting to the repository. My Documentum Offline is fully integrated with Microsoft Windows.

EMC Executive Quote

"The EMC My Documentum family blends the convenience and familiarity of desktop applications with the power of Documentum ECM. Business users can work in ways that best suit their needs—whether online or offline—with no training required. Now everyone in the company can reap the benefits of

CIMdata PLM Industry Summary

additional security and control that Documentum ECM delivers."

- *Whitney Tidmarsh, Chief Marketing Officer, Content Management and Archiving Division, EMC*

Supporting Quote

"The latest release of My Documentum for Outlook provides a highly-integrated user interface with Microsoft Outlook. Within three weeks, the FDA was able to roll out the solution to half of our users who found it easy to use because they are working through the same Outlook program they're familiar with."

- *Timothy Moy, Analyst, Food and Drug Administration*

About Momentum Europe 2009

Held November 9-12, 2009 in Athens, Greece, Momentum Europe is the industry's largest gathering of customers, partners and industry experts in ECM and archiving outside of the Americas. The My Documentum family will be demonstrated during the technical keynote session and throughout the exhibit floor at Momentum Europe. In addition, there will be more than 30 partners showcasing their products and services that integrate and leverage EMC's content management and archiving solutions.

For up-to-the minute news and event updates on Momentum, please follow EMC on Twitter at http://twitter.com/emc_momentum. Event photos and videos of select executive presentations will be available for viewing in the Momentum Europe 2009 newsroom.

 [Click here to return to Contents](#)

GibbsCAM Is Now Compatible with Windows 7

11 November 2009

Gibbs and Associates announced that, in October, its GibbsCAM software passed Microsoft-designed tests for compatibility and reliability on PCs running the Windows® 7 operating system. Microsoft recommends "Compatible with Windows 7" products because they install readily, run reliably on Windows 7, and represent a commitment that the products will continue to work over the life of Windows 7. GibbsCAM now has 32- and 64-bit versions for the new operating system.

"We aggressively develop and pursue technology to help customers achieve higher productivity with as much ease-of-use as possible," says Bill Gibbs, Gibbs and Associates company founder and president. "The Windows 7 operating system is all about making things easier, and that's what our software is designed to do for machinists and CNC programmers. So we are pleased with the result of our relationship with Microsoft, and proud to be one of the first to offer Windows 7 users fully compatible CAM software."

[GibbsCAM](#) users can now avail themselves of various Windows 7 features to get work done faster and to better manage work flow, files and archives. Among these features are:

- Search – now includes Libraries to list, in one place, files stored in local drives or remote drives located anywhere on the network
- Improved taskbar, with full screen previews – provides one-click access to applications pinned to the taskbar, click and drag icons on the taskbar to rearrange them, see thumbnail views of every file or window that opens in an application by hovering over its icon, and show full preview of any file by hovering over its thumbnail

CIMdata PLM Industry Summary

- Jump lists – enable quick search of files recently used, with a mere right-click on the application icon in the taskbar
- Snaps – allows quick comparison of open files by dragging a window to either side of the screen to “snap” it to the edge and fill half the screen, then snapping another file to the other side to fill that half of the screen
- 64-bit operation – for faster processing, under certain conditions, when operating with 4GB RAM or more
- Better use of memory – less RAM is used by the operating system, which also allocates RAM to background processes only when they are required
- Faster start up, shut down, and resume from standby for PCs

 [Click here to return to Contents](#)

Intercim includes 3D within its Manufacturing Execution & Manufacturing Intelligence

9 November 2009

[Intercim](#), LLC announced the availability of three new modules within its software platform Pertinence Suite Powered by Velocity. The modules are the result of the common vision of Intercim and Dassault Systèmes, which together aim to enable digital continuity between design and shop floor teams.

The first module, called the Digital Work Instruction Player (DPV), allows operators to display a view of the product they’re working on in 3D. Instead of having text work instructions with schemas and pictures, the operators see their work in progress on the product mock up. They can select various points of view and can also choose, for example, to display specific pieces of the task, such as missing parts of the product, parts recently implemented or those belonging to a shop order. This interactive mock up is then updated in real-time based on the work completed. The DPV module dramatically improves the vision the operator used to have – now, they know precisely what is left to do and how each of the different tasks fits into the overall plan.

Furthermore, as the current industry trend is to produce parts that are more and more complex within plants that are often spread around the globe – including many subcontractors – assembly becomes a real challenge for manufacturers.

In such an environment, the Unit Live Collaboration (ULC) module enables production managers to follow, in real-time, the product as it’s being built on a digital mock up, which is shared among all production sites. ULC collects all manufacturing tasks and imports them into the digital mock up. For example, when building a plane, the Production Manager is able to select all the parts that have been installed within the past 24 hours, those that are not compliant, those not yet delivered, etc. They can also check the plane’s building progress at any given time, so even if the supply chain is split among various countries and/or companies, the Product Manager knows exactly where the plane’s construction stands.

The third module, known as Digital Process Integrator (DPI), provides users with a real-time and bi-directional synchronization between databases from the design teams and the shop floor.

These new modules further demonstrate Intercim’s strategy, along with partner Dassault Systèmes, to make digital mock up the common method used for all functions within the supply chain – the operator on the shop floor, the process engineer and the production manager.

All three modules are currently available as part of Intercim's Pertinence Suite Powered by Velocity.

 [Click here to return to Contents](#)

IronCAD, LLC Releases IRONCAD Next Generation "XG"

9 November 2009

IronCAD, LLC announced the release of IRONCAD Version 2009. Branded as IRONCAD Next Generation, this latest offering of its 3D design solution changes the whole perception of CAD and introduces improved productivity and functionality. By combining the flexibility and creativity of innovative modeling with the parametric power of structured design into a single modeling environment, IRONCAD Next Generation gives designers and engineers greater design freedom and flexibility to get products to market faster with better quality. In addition, IronCAD has introduced a new 2D design environment integrated within IRONCAD that offers leading edge mechanical design capabilities to assist in detailing 3D and 2D design data.

IRONCAD Next Generation and its accompanying bonus Gold Partner Products are available for immediate download. Shipments to existing customers will begin mid-November 2009. An evaluation copy of the latest product version is available for download today from <http://www.ironcad.com/>. All new customers buying IRONCAD today will automatically receive Version 2009 Next Generation.

New Structured Design Mode –Without compromising IRONCAD's core values, Next Generation provides the combination of IRONCAD's Innovative design environment with the more conventional history-based structured design environment, allowing users to choose at an individual part level, which process is most appropriate for the particular part they are designing. IRONCAD's structure part design, allows users to build rigid feature dependant parts with embedded design intent, delivering more control over future changes and delivering predictable structure to the design. This approach to design is extremely powerful for creating parametrically controlled and logically designed parts. IronCAD recognizes that this approach is beneficial for certain types of design projects but that real power comes from the ability to define the design mode that is most appropriate at a part by part level. With Next Generation, IRONCAD is unique in offering the customer the choice between Structured or Innovative design modes at an individual part level within a single assembly.

Taking 2D Design to the Next Level – Traditionally, 3D modelers have always offered simple 2D detailing tools to detail and annotate their 3D models. Leveraging its strategic partnership with CAXA, IronCAD, LLC has integrated CAXA's renowned 2D design and detailing tool within the IRONCAD modeling solution. This fully functional 2D mechanical design tool ensures that users can detail to the highest level, without the need to export to a third party product or lose any associations with the core 3D model data.

"IRONCAD Next Generation is a significant advancement in the mechanical design market" commented Dr. Tao-Yang Han, president of IronCAD, "IRONCAD offers the most flexible design choices to users allowing them to design parts in a manner that is best fit for the design task at hand eliminating the design limits implied on users by design systems. IRONCAD Next Generation continues to deliver the leading edge capabilities that customers and markets are demanding to improve the overall design productivity. We are confident that IRONCAD Next Generation will exceed our customers expectation and that it will improve their design process." he continued.

In addition to the core changes, many customer driven feature enhancements have been implemented in this latest version including these key items:

CIMdata PLM Industry Summary

- User Interface Improvements Including:
 - o Support for the Fluent Ribbon User Interface
 - o Improved Interface Icons for Clarity and Accessibility
- Support for Multiple Body Parts Including Copy/Delete Functions
- Reference Datum Features (Plane, Axis, and Point) Support
- Move Face Feature Command that is Accessible in the History Structure
- Enhanced Feature Commands Including Pattern, Scale and Mirror
- Strong Reference Association Support for 3D Curves and Surfaces
- User Selection List Capability for Direct Access to Face/Edge/Vertex Locations
- Many 2D Sketch Improvements in User Interface and Capabilities
- Dynamic Direct Editing Improvements Including:
 - o Automatic Selection Controls and Graphical Representations
 - o Automatic TriBall Activation for Improved Productivity
 - o Direct Editing Driving Smart Dimension Capability
- Improved SmartAssembly Connection and Display Capabilities
- Side-by-Side Application Support for IronCAD Products
- Freely Distributable IRONCAD Scene (.ics) Viewer
- Freely Distributable CAXA EXB Viewer
- Updated Partner Programs Including 32-Bit and 64-Bit IronPro Support
- For a limited time, a free of charge standalone CAXA Draft license with IRONCAD license

For a full detailed list of new features, visit <http://www.ironcad.com/products/> IRONCAD Next Generation, is available for immediate download from <http://www.ironcad.com>.

 [Click here to return to Contents](#)

Lawson Enhances Lawson QuickStep Fashion

12 November 2009

Lawson Software announced the latest version of [Lawson QuickStep Fashion](#), a preconfigured enterprise software package designed for faster implementation and faster time-to-value for Lawson fashion customers. Lawson QuickStep Fashion is an integrated solution that supports more than 70 percent of the core business processes of both fashion sourcing companies and manufacturers. The system focuses on product creation and data management, planning, sourcing, customer order management, raw material purchasing, manufacturing, supply chain management, warehouse management, product costing and integrated financial management.

The QuickStep solution now comes with comprehensive business process documentation and more than 160 educational videos to help train and guide users through common fashion industry business processes. Lawson developed these scenarios based on its experience gained through more than 250

enterprise software implementations in the fashion industry.

This latest version of Lawson QuickStep Fashion includes support for a multi-division, multi-warehouse environment, U.S. chart of accounts and sales tax information, as well as European sales tax processes. Sourcing companies can now benefit from supply chain orders that link related orders. This feature can ultimately help improve supply chain visibility and control. It can also support industry-specific processes such as “cut, make, trim” and help organizations better manage purchase order processes.

Fashion companies that use Lawson QuickStep Fashion may also benefit from the addition of joint dispatch management on sales orders, which helps ensure that orders are complete enough to send out. In addition, the solution offers drop-ship management and pre-configured processes for handling of royalty payments, agent commissions and respective discounts.

“With QuickStep Fashion we can quickly provide fashion companies with a flexible and scalable platform to help improve their operational performance in the short-term, support their future growth plans and cope with their evolving business models,” said Frédéric Champalbert, general manager, Fashion, for Lawson. “By reducing the resources, cost and time to implement, the Lawson QuickStep solution helps reduce risk associated with software deployments and is building a proven track record among fashion companies.”

During the past year, more than half of the fashion companies that purchased the Lawson M3 Enterprise Management system in the U.S. and Europe chose Lawson QuickStep Fashion to help speed their ERP deployment.

 [Click here to return to Contents](#)

LEDAS Ships Next Generation of 3D Geometric Constraint Solver

11 November 2009

LEDAS Ltd. announced the availability of version 2.0 of its LGS 3D geometric constraint solver. As a core component of parametric 3D modeling applications, LGS 3D allows users to express their design intent through geometric constraints and driving dimensions.

Since its first release in 2005, a dozen CAD/CAM/CAE vendors have licensed the LGS 3D software component, embedding it into applications that perform assembly design, motion simulation, and history-free 3D geometry editing. It now used by thousands engineers, architects, and designers around the globe. During last four years, LEDAS released five intermediate versions of LGS 3D – from 1.1 to 1.5.

New Features in LGS 3D

The new LGS 3D version 2.0 contains significant functional enhancements that were suggested by LEDAS customers. It also boosts performance and improves stability. These improvements were obtained after several man-years of testing the components with different applications on thousands of commercial scenarios.

A new API function supports the definition of simultaneous movements by several geometric objects, each with a different rotation and translation. LEDAS customers can now employ more sophisticated scenarios of motion simulation. On the application side, version 2.0 defines optional memory management tools for controlling and optimizing memory use. This new feature is crucial for CAD/CAM/CAE applications that model large assemblies.

CIMdata PLM Industry Summary

The time LGS 3D takes to solve constraints has been significantly reduced, and it is now up to ten times faster than v1.5 for large models. The over-defined constraint diagnostics algorithm has been improved, a function crucial to 3D geometry editing applications that generate many constraints automatically to keep design intent.

Version 2.0 of LGS 3D is already embedded in several commercial applications running on Windows XP/Vista and Mac OS X, including recent versions of the Driving Dimensions plug-in for Google SketchUp and McNeel & Associates' Rhinoceros. The Driving Dimensions plug-ins aims at making advanced mechanical CAD technology available to all users of popular 3D software at an affordable price. Please visit <http://www.DrivingDimensions.com> for more information.

“LGS 3D v.2.0 is ideal solution for those who are looking to implement state-of-the art constraint solving technology in their software for a reasonable price,” explained Dmitry Ushakov, Director of Product Management, LEDAS Ltd. “Each month we receive evaluation requests from CAD vendors for our LGS 2D and 3D components. We are pleased to collaborate with all software developers – be it large established vendors or small start-ups – by proposing affordable licensing conditions and lifetime technical support.”

About LGS Software

The LGS 2D and 3D geometric constraint solvers are used as parametric engines for 2D sketching and drawing, history-free 3D modeling, assembly design, motion analysis, and other geometric modeling applications. LGS 2D and 3D are cross-platform software packages running on 32- and 64-bit versions of Windows, Linux, Mac OS X, *BSD, AIX, HP-UX, Sun Solaris, and other OSes. Coded in C++, LGS 2D and 3D have a C-style API for easy integration into a broad range of software applications using a variety of wrappers, such as .NET, Java, and C++.

LGS 2D/3D supports the creation and modification of geometric models by means of explicit or implicit constraints. (Geometric objects include points, lines, circles, planes, cylinders, spheres, parametric curves, surfaces and swept surfaces.) Objects can be fixed in the absolute coordinate system or relative to each other. Supported geometric constraints include logical constraints between geometric entities (coincidence, parallelism, tangency, and so on), and dimensional constraints that specify the required values for distances, angles, or radiuses. LGS 2D/3D moves and rotates objects to positions that satisfy all constraints, yet minimizes transformations from the initial configuration. Other LGS functions implement advanced features of CAD/CAM/CAE systems, such as diagnostics of over- and under-defined parts of models, engineering variables and equations, help points, and tolerance management.

Several sample applications named “Lege’n’d 2D/3D” are available for free download from the LEDAS Web site. These representative examples are of different kinds of 2D sketches and 3D assemblies. The applications can be used by anyone to test the functionality, robustness, and performance of LGS 2D/3D. The sample applications were created with the Open CASCADE open-source application framework, and their source code is available to all licensees.

To learn more about LGS 2D/3D, visit the LEDAS Web site at <http://ledas.com/products/lgs3d>.



[Click here to return to Contents](#)

Mechatronic Design Portfolio Offers Machine Builders Improved Optimization and Collaboration for Complex Machine Designs

5 November 2009

CIMdata PLM Industry Summary

Rockwell Automation has introduced a new mechatronic solutions portfolio consisting of software tools, motion control products and support. The portfolio helps engineers to better collaborate, and reduce machine costs and development time by providing a common forum where design input from the mechanical, controls, software and electrical engineers can be more easily gathered and evaluated.

Mechatronics is a collaborative venture between mechanical, electrical and control design engineers to optimize machine design. However, due to high costs and lack of easy-to-use tools associated with virtual prototyping, mechatronics has traditionally proven challenging for machine builders to integrate into their design process. “Engineers from each group typically design their machine component separately and combine everything for the first time in a physical prototype,” explained John Pritchard, global product marketing manager, Kinetix Motion Control, Rockwell Automation. “This approach can be costly and time consuming, and any changes to the design require creation of a modified physical prototype. Our mechatronic solutions portfolio can help reduce design time and prototype costs by allowing machine builders to create any number of virtual prototypes, leveraging analysis tools to identify potential design improvements much earlier in the process. Machine builders can then select only the most promising designs – perhaps two or three instead of the twenty original concepts – for physical prototyping.”

The new mechatronic solutions portfolio from Rockwell Automation features:

- Updated Motion Analyzer software, used by machine builders to help select the best-suited drive-motor-actuator combination for their application, now provides interoperability with SolidWorks 3D CAD software. This interoperability helps shorten lead times and delivers a highly graphical environment for designing machines and sophisticated motion profiles. Also, the Motion Analyzer software is now capable of transferring motion profiles directly into Rockwell Software RSLogix 5000 software, helping reduce programming time.
- Allen-Bradley RDD-Series direct drive rotary servo motors offer rotary direct drive technology that minimizes the need for power transmission devices and can help reduce machine complexity, system compliance and energy consumption while delivering high dynamic performance, fast settling times and better overall control of the load.
- Allen-Bradley LDC-Series and LDL-Series linear servo motors provide machine builders with precise, linear motion capabilities at a cost-effective price point. They have no “wear items” such as bearings, gears and belts, minimizing the need for routine maintenance and replacement parts for improved reliability over other linear actuation methods.
- Allen-Bradley MP-Series and TL-Series electric cylinders offer machine builders a quiet, clean and energy-efficient alternative to pneumatics and other nonservo methods for linear motion actuation. They also offer improved flexibility and repeatability with less mechanical vibration, delivering an excellent mechatronic outcome.
- MP-Series integrated linear stages simplify machine design and are well-suited for a variety of applications that require loads to be supported and moved with precise linear positioning and velocity control. Available in single and multi-axis configurations, the pre-engineered stages deliver high-performance linear motion in an easy-to-use mechanical package.

“This portfolio leverages many tools engineers already have on hand and are comfortable using – it was developed to help machine builders do more with less: less time, less energy, less raw material and less cost,” said Pritchard. “The Motion Analyzer software tool helps reduce design time, improve machine efficiency and reduce the need for physical prototypes. The hardware solutions offer tighter coupling

between the control and machine function, and help eliminate many of the undesirable traits associated with powertrain components, such as backlash, compliance, noise and energy losses.”

One Rockwell Automation customer recently used the Rockwell Automation mechatronic solutions portfolio to identify stability and throughput improvement opportunities on the rotary saw used in their packaging machine. By replacing the motor, gearbox and timing belt used to drive the saw with direct drive technology, the machine was more stable, met their parts per minute needs, and saved eight hours of assembly time.

“For machine builders designing sophisticated equipment with high flexibility, efficiency and throughput requirements – such as packaging, converting, printing and web or automation applications – mechatronics is an excellent starting point,” said Pritchard. “We are committed to continued investment in our mechatronic solutions portfolio and will continue to add new technology to help engineers build more innovative machines.”

 [Click here to return to Contents](#)

NGC® Brings Powerful New Analytic and Reporting Capabilities To Its PLM, Global Sourcing and ERP Solutions

10 November 2009

[NGC](#) (New Generation Computing®) introduced ARMS (Analytics and Report Management Software), a decision support and information management tool that brings new power to custom reporting, data mining and analytics for NGC’s e-PLM®, e-SPS®, RedHorse® and other Global Enterprise System software.

ARMS puts powerful, flexible and easy-to-use information management and reporting capabilities in the hands of the user community. It works with all NGC Global Enterprise System software – e-PLM, e-SPS for global sourcing and visibility, RedHorse ERP and others – simplifying and centralizing access to the vast amounts of information contained in NGC software. Custom reports and analytic templates that would otherwise take hours to program can be created and shared in minutes throughout the enterprise – delivering powerful business insight while saving time and money.

ARMS utilizes popular technologies such as Microsoft Excel spreadsheets and pivot tables, Microsoft SQL Server Reporting Services and Crystal Reports. Casual or novice users can create and modify their own reports with minimal training or IT support, while expert users can perform sophisticated Business Intelligence and data mining activities. These advanced capabilities increase business insight and take productivity to a new level.

ARMS helps NGC customers make money by:

- Enabling better and faster executive decisions with “intelligent business information” from vast data sources.
- Providing secure global access to critical business information, combined with powerful analytics and reporting.
- Allowing users to share ideas and best practices throughout the organization.

ARMS helps NGC customers save money by:

- Utilizing comprehensive pre-configured data marts to reduce the knowledge required to assemble data

from multiple but related complex business applications.

- Lowering the cost of creating custom reports by reducing or eliminating the need for custom programming.
- Leveraging existing IT applications and familiar technologies, minimizing the need to train staff.

 [Click here to return to Contents](#)

PLMplus Develops Innovative Approach to Product Lifecycle Management

10 November 2009

Following its successful round A funding in 2008 from Hasso Plattner Ventures and Cedar Fund, PLMplus has developed a solution that will enable Small & Medium manufacturers to benefit from PLM technology. Through its customer & design partner research, PLMplus has determined that the majority of small and medium manufacturers are still unable to purchase and use PLM systems. The key factor inhibiting these companies from using product lifecycle management is system complexity, implementation difficulty, and cost.

Although most providers today offer users preconfigured templates and databases, they still do not provide a solution to burdensome software implementation, high cost, and most importantly – organizational user adoption and training. PLMplus provides a solution.

PLMplus delivers PLM in an on demand manner with an intuitive self-taught user interface which allows for rapid deployment. The PLMplus approach to interface design is that in the real world most users will either never be trained or will forget their training – a fact which always inhibits successful PLM deployments. As such, the PLMplus user interface and application is so intuitive that novice users are practically guided through complicated steps, all the way through to successful task completion. PLMplus' methodology and licensing model allows users to start using the application on any scale and grow only when they need to, thus making the “PLM strategy” into a very simple decision.

News Facts

In August 2008, PLMPlus received \$4M in round A funding from Hasso Plattner Ventures & Cedar Fund. SAP's co-founder & chairman Prof. Dr. h.c. Hasso Plattner is the main investor in Hasso Plattner Ventures, while Cedar fund has over 12 years track record of successful high tech investments with \$325 M under management.

Following the round A investment, PLMPlus developed an on demand PLM system targeted at small & medium manufacturers, with a new approach that will enable high system adoption & usage.

Quote attributable to Benny Shaviv, VP Marketing & Sales, co-founder, PLMPlus:

"Our research revealed that many SMB companies that were considering PLM systems have taken 12 and even 18 months to complete their evaluations, and in many cases have still not purchased ANY system, due to the high cost, complexity, and the adverse impact it would have on the organization during implementation. Due to this fact the vast majority of SMBs still do not use PLM today, even though everyone knows that it is needed.

We have designed PLMplus to fill that gap, and I am excited with the solution that we will soon release. This solution will have a significant impact on the industry, changing the way people view and use PLM

within SMBs.”

About PLMplus

PLMplus was founded in 2008 with the vision of helping small and medium sized companies build better products. PLMplus provides a solution for Product Lifecycle and Quality Management delivered in an on demand model. PLMplus is the only solution that provides small & medium companies with the ability to start with a small and simple system implementation and grow only according to their needs.

PLMplus combines on demand technology together with a rich user experience to provide customers with a system that requires no implementation or training in order to get going and provide immediate benefits. PLMplus is headquartered in the US with an R&D center in Israel. More information on PLMplus Product Lifecycle Management can be found on <http://www.plmplus.com>.

 [Click here to return to Contents](#)

Right Hemisphere and Mecanica Enter Partnership to Add 3D Visualization to Groundbreaking New PLM360 Solution

9 November 2009

[Right Hemisphere](#)® and Mecanica Solutions announced a technology partnership whereby Mecanica has embedded Right Hemisphere's 2D and 3D visualization technology into its PLM360 solution. PLM360 is an integrated suite of solutions designed to streamline business processes and increase speed around product development cycles. The full suite includes Project Management, Document Management, Business Process Management and Product Data Management modules. PLM360 empowers cross functional teams inside and outside the organization to efficiently share critical information, work collectively, and minimize manual processes resulting in higher levels of operational efficiency. The suite combines powerful and intuitive collaborative capabilities into a single, fully integrated solution.

Mecanica used Right Hemisphere's Visual Application Development Suite and Deep View software to add a layer of visualization capabilities into its PLM360 solution. With these capabilities, PLM360 can take 3D computer-aided design (CAD) files from any major CAD application and translate them for use in a wide variety of lightweight 2D and 3D file formats. This visual content can then be merged into project management workflows so that visual product data becomes an integral part of the user experience. This visual content is also conveniently accessible via Mecanica's Web-based user interface.

"Gone are the days when sharing and visualizing 3D product information was primarily for engineers," said Right Hemisphere Director of Marketing Bob Merlo. "Adding 3D visualization into business applications and processes is making an appreciable difference in the way we work, in how quickly we comprehend, and ultimately in how productive we can be. If 3D visualization wasn't adding considerable value to business processes, you would not see leading software companies like SAP, Corel, Adobe, and now Mecanica embedding our 3D capabilities into their applications."

"The competitive landscape has created a need to produce and modify products at the speed of light," said Mecanica Vice President of Business Development Morty Smolash. "This is where PLM360 enhances our customers' competitiveness. Our clients have asked us to help them improve time to market, while minimizing the problems of quality control, production errors, expensive recalls and cost overruns associated with uncontrolled manual processes. PLM360 is the solution they've been waiting for. Its proprietary semantic engine enables defining and managing data in ways that were previously

unimaginable."

The Right Hemisphere Visual Enterprise technology inside PLM360 will help organizations better leverage their intellectual property -- namely their 3D design engineering assets -- while distributing them securely and broadly throughout the extended enterprise, including supply chain partners. The PLM360 solution also has a unique open architecture, making it easy to integrate with almost any existing product design or management tool as well as common ERP platforms. The solution is robust and scalable, driving efficiency and productivity from a departmental level right up to the enterprise and its suppliers. Easy to deploy and use, the PLM360 platform enables companies to collaborate on a virtually unlimited variety of projects. Learn more at www.PLM360.com.

About Mecanica Solutions

For over 25 years, Mecanica Solutions has been offering Product Lifecycle Management solutions to help manage product development processes while ensuring optimal product quality, reduced cycled time and enhanced profitability. Engineering professionals in the aerospace, automotive and consumer goods industries rely on Mecanica's CAD/CAM/CAE/PLM products and services to successfully fulfill their virtual product development requirements. The complete solutions portfolio includes software development, training, technical support, engineering services, data translations, product data management and staffing. Further information is available at <http://www.mecanicasolutions.com>.



[Click here to return to Contents](#)

Schott Systeme Retain 12 Year CAD/CAM Price Freeze

9 November 2009

Helping mold tool companies to remain competitive, German software developer Schott Systeme have frozen their pricing for the 12th year running, while at the same time launching a raft of new design and machining functions within their latest Pictures by PC 3.4 CAD/CAM software.

Outlining the company's pricing policy, company founder and owner Hans-Joachim Schott states, "Our aim is to enable our customers to invest in the very latest CAD/CAM technology, for every single CNC machine tool, while keeping both purchase and operating costs to a bare minimum." This policy means that their complete moldtool package for design and machining continues to remain under €10,000. With ongoing maintenance costs also being a major consideration, Herr Schott continues "Our customers have to earn money with us, so we have retained our 25 year old policy of not charging for yearly maintenance, instead offering free life time support, while giving our customers the choice of when they wish to purchase major upgrades."



[Click here to return to Contents](#)

Sescoi Releases Latest Version of its Flexible Custom Manufacturing Solutions

12 November 2009

Sescoi is pleased to announce the release of Version 3 of its custom manufacturing solutions, [WorkPLAN Enterprise](#) for full enterprise resource planning (ERP) and [MyWorkPLAN](#) for efficient job management. Version 3 brings new advanced integration options and numerous additional capabilities.

The openness and interoperability now provided by WorkPLAN Enterprise V3 and MyWorkPLAN V3

CIMdata PLM Industry Summary

will enable users to control costs and prepare quotations with accuracy, bring better products to market more quickly, maximize return on investment for their existing software, and make the best use of the expertise within their companies.

Integration options start with SESCOI's own software systems. Already able to link to the WorkNC automatic CAM system to accurately determine project part machining times, the V3 solutions can now also interface with WorkXPlore 3D, SESCOI's high-speed collaborative viewer for advanced CAD file analysis and sharing. Combined, these systems facilitate collaborative and concurrent working for shorter lead times and higher efficiency, enabling companies to offer higher quality products to their customers, faster and at lower cost.

Links to third party software have been extended and both systems will offer an optional interface to advanced planning and scheduling (APS) systems, including those offered by Preactor and Ortems, enabling users to export projects for finite and infinite capacity planning and then re-import the results. For toolrooms or manufacturing departments within larger companies, optional interfaces with other ERP systems are available and the new V3 release will be SAP® certified.

Quality control capabilities, standard in WorkPLAN Enterprise and an optional module in MyWorkPLAN, have been further enhanced in the V3 solutions to include the monitoring of scheduled maintenance and recalibration of inspection and measuring equipment. This ensures that companies can achieve continued compliance, full traceability, and ever-higher quality standards.

SESCOI has now enabled remote database access. This option allows managers to check job status and performance of one or several sites where the software is installed. This new capacity will enable managers to increase efficiency and productivity.

Version 3 includes a pack of more than 60 standard reports that can be easily customized by the customer, thereby reducing implementation time.

TriWeFo is a German toolmaker supplying the automotive, electrical engineering and home appliances industry who has implemented the latest WorkPLAN Enterprise ERP solution. Felix Hübschmann, the company's IT manager confirmed, "The implementation was straightforward as our product structure – also based on project working - could be copied exactly as it was."

Both manufacturing solutions offer new capabilities for managing diverse types of production, including enhanced management of components, stock of finished goods and composed components that can be either purchased, taken from stock, or broken down and produced in-house.

A spokesperson from Corcoles, a Spanish manufacturer of special mechanical parts, who has been using the new composed components feature within their MyWorkPLAN solution, stated, "With this new feature we've been able to store all our component data digitally; capitalize on manufacturing processes stored in the system's database and reuse historical data from similar components. This has improved efficiency no end"

Many of the users of SESCOI precursor ERP solution, WorkPLAN, are now migrating to the new solutions. José Lopez, administrative manager at Spanish moldmaker, Mecanicas Morell, is one such user citing the new software's "flexibility, practicality and ease of use" as some key benefits. Mecanicas Morell saw the arrival of Version 3 as the ideal opportunity to update the company's information system and stay up to minute with the latest technology and best practices.

The advances in the WorkPLAN Enterprise and MyWorkPLAN V3 solutions will provide custom manufacturers and job shops with some of the most accurate and flexible custom manufacturing

management tools available on the market.

 [Click here to return to Contents](#)

STAR-CCM+ V4.06 Arrives With a BANG

11 November 2009

CD-adapco announced the release of STAR-CCM+ V4.06, the third major version of their flagship engineering simulation software released during 2009. In the six years since its first release, STAR-CCM+ has evolved into more than just a CFD code, and is now an integrated platform for multi-disciplinary engineering simulation, including: combustion; multiphase flow; heat transfer through solids and fluids; dynamic fluid body interaction; and solid stress: all from within a single environment. Principal new features of STAR-CCM+ V4.06 include models to simulate broadband aeroacoustic noise and aerodynamic flutter, together with a range of customer requested enhancements aimed at increasing both user productivity and simulation capability.

“Over the course of the past year, STAR-CCM+ has continued to develop at an astonishing rate,” explains VP Product Management Jean-Claude Ercolanelli. “As an organization, we are fully committed to delivering robust and reliable new versions of STAR-CCM+ every four months, featuring the broadest possible set of new capabilities and productivity enhancements. Our global network of dedicated technical support engineers is in constant contact with our software users and one of their key roles is to feed customer requirements back to the product management team. By maintaining this constant dialogue with our users, we have managed to implement over 250 customer requested enhancements during 2009, as well as a range of new features that continue to increase the overall quality of our simulation technology.”

Aeroacoustics and Flutter

Using powerful multi-physics simulation technology, STAR-CCM+ provides engineers with the means to predict the occurrence potentially harmful physical phenomena, providing detailed engineering data that can be used to modify designs in order mitigate their impact.

Building on existing aeroacoustic capability, the latest release of STAR-CCM+ provides new tools that enable engineers to identify the location and strength of flow generated broadband noise sources. In addition to direct methods using LES and DDES, STAR-CCM+ 4.06 introduces broadband aeroacoustic prediction using the Lilley source term as well as four different models: Proudman, Linearized Euler, Goldstein and Curle, ensuring extensive, flexible, coverage of this important application area.

Beyond the prediction of aeroacoustic effects, an extension to the Harmonic Balance capability provides tools for the analysis of blade flutter in rotating machinery, with computational time scales that are reduced compared to traditional transient methodologies.

Powerful new features

Each new release of STAR-CCM+, provides a range of new pre and post processing capabilities, solver enhancements and the inclusion of additional validated physics models:

Generalized Cylinder Meshing. STAR-CCM+ V4.06 introduces a new capability that automatically identifies cylindrical shapes within and geometry and meshes them using entirely prismatic cells. This new feature helps reduce cell count and is suitable for a wide range of applications including long pipelines, nuclear reactor vessels and cyclone separators.

CIMdata PLM Industry Summary

Combustion. This new release adds a new thermal NO_x model helping engineers comply with increasingly strict emission standards. Also available is an advanced coal combustion capability that includes models for vaporization, devolatilization, and char oxidation.

Dynamic Fluid Body Interaction. STAR-CCM+ V4.06 introduces the ability to model rotating regions in its DFBI solver. This allows users to simulate the influence of propellers, rudders, diveplanes and other control surfaces on moving objects.

CAE Integration. STAR-CCM+ already allows integration to a wide range of different third party CAE software and version 4.06 extends this to include co-simulation with the 1D virtual engine simulation tool GT-POWER from Gamma Technologies.

The STAR-CCM+ V4.06 is now available from CD-adapco's [User Services site](#), or from your local CD-adapco office.

 [Click here to return to Contents](#)

VISTAGY and BETA CAE Systems Enhance Integration between Analysis and Design for Developing Composite Products

10 November 2009

[VISTAGY, Inc.](#) and BETA CAE Systems S.A., which specializes in state-of-the-art computer aided engineering (CAE) pre- and post-processing software systems, announced a technology partnership that will enable manufacturers in the automotive, aerospace and other industries to enhance their ability to leverage the value of composites by closely integrating analysis and design, thus reducing product development cycle time and enhancing quality.

The companies will integrate VISTAGY's FiberSIM(r) composites engineering software and BETA CAE Systems' ANSA CAE pre-processing software. The FiberSIM suite of software supports all of the unique and complex design and manufacturing methodologies necessary to engineer innovative, durable and lightweight composite products and parts. ANSA is an advanced multidisciplinary CAE pre-processing tool that provides all the necessary functionality for full-model build up, from CAD data to ready-to-run solver input files, in a single integrated environment.

"BETA CAE Systems is one of the world's leading analysis firms and a true force in the automotive industry," said Ed Bernardon, vice president of business development for VISTAGY. "With the growing interest in composites in the automotive industry, there is clearly a natural fit for a partnership between VISTAGY and BETA CAE Systems to provide state-of-the-art solutions to our joint customers."

The integrated product solution will be available in the first quarter of 2010.

About BETA CAE Systems S.A.

BETA CAE Systems S.A, headquartered in Thessaloniki, Greece, is a private engineering software company committed to the development of best-in-class pre- and post-processing solutions for multidisciplinary CAE applications. The BETA CAE Systems flagship product suite, comprised by ANSA pre-processor and μ ETA post-processor holds a leading position in the CAE software market worldwide. This product suite sets the standard in CAE pre- and post-processing in many sectors, including automotive, railway, aerospace, motor sports, chemical, electronics and academia, heavy machinery, electronics, power tools, and biomedical.

CIMdata PLM Industry Summary

 [Click here to return to Contents](#)